

**Course Codes
and
Clearing Endorsements**
(Formerly called Appendix D)

2016-2017

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GENERAL INFORMATION

Nebraska approval regulations (Rule 14) and accreditation regulations (Rule 10) require that certain percentages of F.T.E. (Full Time Equivalency) elementary and middle grade teachers hold appropriate endorsements and that certain percentages of instructional units at the secondary grades be assigned to teachers holding appropriate endorsements. For teachers to be considered appropriately endorsed for their assignments, they must teach the grade levels indicated on their certificate. The grade level designations are shown on the following chart.

Certificate/Endorsement Level

LEVEL	Appropriate for the following grades
00	PK
01	Pre Primary – 3 all schools
02	K-6
03	K-8
04	7-9
05	K-9
06	7-12
07	K-12
08	9-12
09	4-9
10	B-12
11	B-K
12	B-3
13	PK-6
14	PK-8
15	PK-12
16	10-12
17	PK-9
18	6-12
19	B-21
20	PK-3
21	B-PK

The following pages show courses or subjects taught in Nebraska schools and the appropriate endorsements for those subjects or courses. In instances where no specific endorsement is required, the “level” of endorsement must still be appropriate for the assignment.

The following items describe special cases or circumstances.

Middle Grades:

- 1) When grades four through six are designated as middle grades, either an elementary or a middle grades endorsement is appropriate.
- 2) A middle grades endorsement clears any subject area and course code for grades 4-9.

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- 3) For grades seven and eight, a middle grades endorsement or an appropriate secondary endorsement is appropriate.
- 4) Teachers holding an elementary endorsement may teach in grades seven and eight if they acquire six credit hours per year towards the “Middle Grades” endorsement or if they participate in staff development in accordance with a local mission or plan for education of middle grade students.
- 5) Teachers holding a content area endorsement at the secondary level may teach grade six in that content area if they acquire six credit hours per year toward the elementary or middle grades endorsement or participate in staff development in accordance with a local mission and plan for education of middle grade students.
- 6) When grade nine is designated as a middle grade, an appropriate secondary endorsement or a middle grades endorsement covers a ninth-grade teaching assignment.
- 7) Secondary teachers may be assigned to integrated courses or curriculum in grades seven through nine if they hold an endorsement for any of the subjects or fields included in the course. See 10.007.02A2A
- 8) Teachers not holding an appropriate endorsement may be assigned to the middle grades if they acquire six credit hours per year towards a middle grades endorsement.

Be advised: The Middle Grades endorsement is undergoing change. The first change you’ll notice is the name will change from Middle Grades to Middle Level. Teachers that have the current Middle Grades endorsements will continue to clear as they have in the past with grade levels 4-9. Staff hired with the new Middle Level endorsement(s) will cover **grade levels 5-9**. Please make note of this change for new Middle Level teachers available for hire in 2017-2018.

Secondary Grades:

- 9) In secondary grades, teachers assigned to integrated courses or curriculum are considered appropriately endorsed if they hold an endorsement for any of the subjects or fields included in the course.
- 10) Course descriptions in this manual shown for grades 10, 11, and 12 are intended to describe higher level courses. If, however, the course is taught at a 9th grade level, the appropriate middle grades endorsement will cover the assignment.

Elementary Grades:

- 11) An elementary endorsement is appropriate for courses taught in grades K-8.

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AGRICULTURE, FOOD AND NATURAL RESOURCES
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INTRODUCTION TO AG, FOOD & NATURAL RESOURCES

<u>Short Name</u>	<u>Course Code</u>
AG/EN-INTR	011000

The introductory course for the Agriculture, Food and Natural Resources Career Cluster providing a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food and natural resources careers, cluster foundation knowledge and skills, introduction to leadership development, the FFA organization and career exploration. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

ANIMAL BIOLOGY

<u>Short Name</u>	<u>Course Code</u>
ANI BIO	011004

A course focusing on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal systems career. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities and animal evaluation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

LARGE ANIMAL MANAGEMENT

<u>Short Name</u>	<u>Course Code</u>
LG ANIMGMT	011005

This course includes advanced scientific principles and communication skills that build on the knowledge and skills learned in Animal Biology. Topics include animal waste management, animal science economics, decision making, global concerns in the industry, genetics, and breeding. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES**COMPANION ANIMALS**Short NameCourse Code**COM ANIMAL****011006**

A course providing instruction on animal husbandry topics related to companion animals that are served by a veterinarian. This course includes breeding, grooming, care and marketing of companion animals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

AGRICULTURE

0100

PLANT SCIENCE/HORTICULTUREShort NameCourse Code**PLANT SCI****011007**

This course focuses on knowledge, information, and skills related to the science of plant production and agronomy and provides the necessary skills for careers in horticulture, agricultural production and management, and science. The content includes plant growth and reproduction, biotechnology and research, fertilizers, plant and tree identification, controlling weeds and pests, and proper use of agricultural chemicals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

AGRICULTURE

0100

HORT EDUC

0905

AGROMONIC SCIENCEShort NameCourse Code**AGRO SCI****011008**

This course provides the study of plant physiology and morphology and its relationship to growth, development and reproduction of crop and forage plants in the global environment. Topics include: seed identification, testing and grain grading. Identification of agronomic crops and major weeds in crop production and harvesting and handling will be emphasized. Classroom and laboratory activities are supported through supervised agricultural experiences and leadership programs and experiences.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

AGRICULTURE

0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

AGRIBUSINESS

Short Name

Course Code

AGRI BUSN

011009

This course covers skills necessary for entry into employment or furthering education in an agricultural business. The course includes the study of business organizations, business structures, job responsibilities, job applications and interviewing, human relations, marketing, selling, displaying, using business machines, management and entrepreneurship skills. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

AGRICULTURE

0100

ECONOMICS & AGRIBUSINESS MGMT

Short Name

Course Code

ECON AGMG

011010

This course builds on the knowledge and skills covered in Agribusiness. Content includes business activities, agribusiness leadership and management in the free enterprise system, economic principals, budgeting, finance, risk management, business law, marketing and careers in agribusiness. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

AGRICULTURE

0100

AGRICULTURAL SALES & ENTREPRENEURSHIP

Short Name

Course Code

AG SA/ENTP

011011

This course builds on the knowledge and skills covered in Agribusiness. Content includes entrepreneurship, business plan development, risk analysis, product/service promotion, and sales/marketing skill development. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

AGRICULTURE

0100

AGRICULTURE, FOOD AND NATURAL RESOURCES
--

AGRICULTURAL BIOLOGY

<u>Short Name</u>	<u>Course Code</u>
AG BIOLOGY	011013

A one year laboratory and lecture biological science course designed for students with career and/or college interests in agriculture. Using agriculture, the course focuses on teaching the Life Science Nebraska State Assessment Standards. The principles central concepts and inter-relationships will include: the molecular and cellular aspects of life, the chemical and structural basis of life, growth and reproduction in plants and animals, evolution of modern plants and domestic livestock species, plant and animal genetics, taxonomy of modern agricultural plants and animals, animal behavior and ecological relationships among plants, animals, humans and the environment. This course is centered on an extensive laboratory component in order to connect the ideas of life science with agricultural applications, earth and physical science principles and other curricular areas including written and oral reporting skills. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and career awareness activities.

Recommended Level: Grades 9-10 Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BIOLOGY	1303
SCIENCE	1301

EQUINE SCIENCE

<u>Short Name</u>	<u>Course Code</u>
EQUINE SCI	011014

A course focusing on the basic scientific principles and processes related to equine physiology, breeding, nutrition and care in preparation for a career in the equine industry. Skills in biology, chemistry and mathematics are reinforced in this course, Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

VETERINARY SCIENCE

<u>Short Name</u>	<u>Course Code</u>
VET SCI	011015

Introduces students to the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

PLANT BIOLOGY

Short Name

Course Code

PLANT BIO

011016

This course covers the biology of plants grown for food, feed, fiber, fuel and fun. Students will learn about plant life cycles in managed and natural ecosystems and their role in global carbon and water cycles. Students will also discover the mechanisms plants use to drive and control their growth, propagate and change to compete with other organisms in their environment.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

AGRICULTURE

0100

NURSERY AND LANDSCAPE

Short Name

Course Code

NURS LAND

012001

Introduces students to the principles of design, methods of establishing and maintaining landscapes, and landscape business management procedures. Includes arranging plants, objects, and earth in the landscape; covers culture and maintenance of plants. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

AGRICULTURE

0100

HORT EDUC

0905

FLORICULTURE

Short Name

Course Code

FLORICUL

012002

Introduces business procedures, design principles, and production techniques used in retail and wholesale floral businesses. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 10-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

AGRICULTURE

0100

HORT EDUC

0905

AGRICULTURE, FOOD AND NATURAL RESOURCES**TURF MANAGEMENT**Short NameCourse Code**TURF MGT****012003**

Introduces procedures to establish, manage, and maintain ornamental or recreational turf, to prepare and maintain athletic fields and playing surfaces and to produce and market turf. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905

BIOTECHNOLOGYShort NameCourse Code**BIOTECH****012004**

This course equips students with a working knowledge of biotechnology as it is used in Agricultural, Food, Natural Resources, and Health Sciences. Students will diagram how classical processes have influenced trait improvement throughout history. Through application of DNA structure and gene insertion methods, students will demonstrate how genetic engineering has been applied to organism improvement and solving human health issues. Student will apply DNA and protein detection to determine presence of specific traits. Additionally, students will distinguish between scientific and societal biotechnology issues. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

NATURAL RESOURCESShort NameCourse Code**NAT RES****013000**

A course that provides an opportunity for students to increase awareness of the close ties among living organisms as well as natural and environmental concerns with the interrelationships of living organisms and the world around us. Students are exposed to careers related to natural resources systems. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

WILDLIFE MANAGEMENT

Short Name
WDLIFE MGT

Course Code
013001

This course has an emphasis on the conservation of natural resources including outdoor recreation topics and provides students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domesticated animals to thrive. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

ADVANCED NATURAL RESOURCES

Short Name
ADV NATRES

Course Code
013002

Curriculum emphasizes advanced scientific principles and processes involved in conserving and/or improving natural resources such as air, water, land, forestry, wildlife, and energy. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

FOOD SCIENCE

Short Name
FOOD SCI

Course Code
014000

A course that introduces students to the principles, applications and science of food and food processing and production. Students will learn the scientific principles and practice scientific applications involved in the food industry including food science, food processing, microbiology, toxicology, regulations concerning the protection of the food supply and organic production of food and nutrition. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES**ADVANCED FOOD SCIENCE**Short NameCourse Code**ADFOOD SCI****014001**

Students will apply food science principles to enhance product development with particular emphasis on USDA/FDA standards, and nutritional analysis and evaluation of food groups. Students will analyze product preparation options to prepare products for distribution and utilize preservation methods to develop food preservation programs. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

AGRICULTURE

0100

**POWER, STRUCTURAL AND TECHNICAL SYSTEMS
FUNDAMENTALS**Short NameCourse Code**PST FUND****016000**

This course introduces selected major areas of agricultural mechanics technology including small engine operation and repair, metal fabrication, woodworking, and electrical wiring. Learning activities include basic understanding, skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

AGRICULTURE

0100

STRUCTURAL SYSTEMSShort NameCourse Code**STRUCT SYS****016002**

This course provides an in-depth study of agricultural construction. It also provides the opportunity to explore the many career possibilities in the field of agricultural construction. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

AGRICULTURE

0100

AGRICULTURE, FOOD AND NATURAL RESOURCES

POWER AND TECHNOLOGY

Short Name
POWER TECH

Course Code
016003

Provides advanced-level experiences in selected major areas of agricultural mechanics technology; includes small engine maintenance and repair, metal fabrication, concrete construction, building construction, plumbing, electrical wiring, maintenance of agricultural machinery, equipment and tractors, and soil and water conservation. Learning activities include basic understanding, skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

WELDING

Short Name
WELDING

Course Code
016004

This course provides in-depth study of metal and fabrication with metal products. It also provides the opportunity to explore the careers of agricultural metal fabrication. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

METALS AND FABRICATION

Short Name
METAL FAB

Course Code
016005

This course builds upon skills learned and developed in Welding class. The emphasis of this class is to master advanced welding procedures and processes in conjunction with critical thinking, problem solving, drawing, and technical reading to solve fabrication problems. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES
--

LEADERSHIP & ETHICS IN AGRICULTURE

<u>Short Name</u>	<u>Course Code</u>
LEADER	017000

Instruction provided in a semester long leadership, human resource development and related careers course includes leadership in a community, leadership concepts/applications, characteristics of an effective leader, characteristics of an effective manager and related practicum demonstrating contribution to society. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

CAREERS AND LITERACY OF AGRICULTURE

<u>Short Name</u>	<u>Course Code</u>
AG CAR LIT	018002

The focus of this course is to provide middle school students with a working knowledge of the Agriculture, Food, and Natural Resources career field of study. Students will experience the seven AFNR pathways, explore careers within these pathways, and focus on their pathway of interest. The course incorporates teachable moments pertaining to the college and career readiness skills found in the center of the Nebraska Career Education Model. Agricultural literacy, risk management, and current trends are also incorporated into the course.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
MIDDLE GR/AG EDUCATION	1810

ENVIRONMENTAL SCIENCE

<u>Short Name</u>	<u>Course Code</u>
ENV SCI	018049

A course designed to immerse students in the physical, biological and earth systems science that shape our environment in order to allow students to analyze environmental issues and make management decisions. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BIOLOGY	1303
SCIENCE	1301

COURSE CODES AND CLEARING ENDORSEMENTS	Page 11	Revised June 2016
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AGRICULTURE, FOOD AND NATURAL RESOURCES
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ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	<u>Short Name</u> AP ENV SCI	<u>Course Code</u> 018050
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The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science is offered from a wide variety of departments, including geology, biology, environmental studies, environmental science, chemistry and geography.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BIOLOGY	1303
SCIENCE	1301

CASE INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES	<u>Short Name</u> CASE AFNR	<u>Course Code</u> 018060
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Students participating in the Introduction to Agriculture, Food, and Natural Resources course will experience exciting "hands-on" activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-10
Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

CASE PLANT SCIENCE	<u>Short Name</u> CASE PLANT	<u>Course Code</u> 018061
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The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science so that students may continue through a sequence of courses through high school. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

AGRICULTURE, FOOD AND NATURAL RESOURCES
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CASE ANIMAL SCIENCE

<u>Short Name</u>	<u>Course Code</u>
CASE ANML	018062

This course is intended to serve as one of two foundational courses within the CASE™ sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in animal science so that students may continue through a sequence of courses through high school. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-12
 Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

CASE ANIMAL & PLANT BIOTECHNOLOGY

<u>Short Name</u>	<u>Course Code</u>
CASE APBIO	018063

Animal and Plant Biotechnology, a specialization course in the CASE Program of Study, provides resources to the teacher to facilitate rigorous instruction and increase the level of student understanding related to biotechnology concepts. Students will complete hands-on activities, projects, and problems designed to build content knowledge and technical skills in the field of biotechnology. Students are expected to become proficient at projects involving micro pipetting, bacterial cultures and transformations, electrophoresis, and polymerase chain reaction. Research and experimental design will be highlighted as students develop and conduct industry appropriate investigations.

Other Info: This course can only be taught by CASE certified teachers following the CASE curriculum.

Recommended Level: Grades 9-12
 Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100

FNS - FOOD PRODUCTION, NUTRITION, AND HEALTH

<u>Short Name</u>	<u>Course Code</u>
FOOD PROD	018080

This is a project-based foundational course to introduce students to the size and scope of food production, nutrition, and health, and the underlying principles. Students will define the food science industry, describe historical milestones, and analyze how the production, processing, distribution, and marketing of food and food products influence consumer behavior and health. Students will apply knowledge about food products, nutrients, and the chemical and physical properties of food to solve human nutrition and health problems. Upon completion of this course, students are prepared to enroll in either Food Science or Nutrition Science courses within this program of study in preparation for careers in those areas.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12
 Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

AGRICULTURE, FOOD AND NATURAL RESOURCES
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FNS - FOOD SCIENCE

Short Name

Course Code

FOOD SCI

018081

This is a project-based course focusing on preparing students for further education and careers in the Food Science industry. Students will investigate the production, processing, distribution, and marketing of food to consumers. Students will apply the science associated with food and food products to the selection, preservation, processing, packaging, and distribution of safe and nutritious food. Students will explain the impacts of food on human health and nutrition.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

FNS - NUTRITION SCIENCE

Short Name

Course Code

NUTRI SCI

018082

This is a project-based course focusing on preparing students for further education and careers in the Nutrition Science industry. Students will understand the relationship between the body, nutrients, and health. Students will apply these understandings and the socioeconomic, cultural, and community influences on diet to develop dietary plans for a variety of lifestyles and human health concerns.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

**FNS - FOOD AND NUTRITION SCIENCE RESEARCH AND
DEVELOPMENT**

Short Name

Course Code

FOOD NUTR

018083

This course will be the culminating experience within the Food and Nutrition Sciences Program of Study. Through the application of knowledge and skills gained earlier in the program of study, students will explore all aspects of new food product development, from research and development to marketing. They will consider the nutritional needs of consumers, and possibilities for production, processing, distribution, and marketing of food to develop food products suitable for a variety of scenarios.

Other Info: This course can only be taught by teachers who have completed the FNS training following the FNS curriculum.

Recommended Level: Grades 9-12

Career Cluster: Agriculture, Food, and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMLY/CONSMR SCIENCE	0903

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AGRICULTURE, FOOD AND NATURAL RESOURCES

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name

Course Code

AGRI OTHER

019930

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name

Course Code

AGRI OTHER

019931

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

COURSE CODES AND CLEARING ENDORSEMENTS	Page 15	Revised June 2016
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AGRICULTURE, FOOD AND NATURAL RESOURCES

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name

Course Code

AGRI OTHER

019932

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name

Course Code

AGRI OTHER

019933

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

COURSE CODES AND CLEARING ENDORSEMENTS	Page 16	Revised June 2016
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AGRICULTURE, FOOD AND NATURAL RESOURCES
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AGRICULTURE, FOOD AND NATURAL RESOURCES, OTHER

Short Name

Course Code

AGRI OTHER

019934

Programs or courses not listed or classified. This code may be used for such courses as: Independent Study, Aquaculture, International Agriculture. Please note courses coded in this area do not count toward an approved Nebraska Career Education Program of Study.

Recommended Level: Grades 7-12

Career Cluster: Agriculture, Food and Natural Resources

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
HORT EDUC	0905
MIDDLE GR/AG EDUCATION	1810

BUSINESS, MARKETING AND MANAGEMENT

ACCOUNTING

Short Name
ACCT

Course Code
030300

This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

Recommended Level: Grades 10-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

ACCOUNTING, ADVANCED

Short Name
ACCT AD

Course Code
030301

This is a two-semester course that includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems and further enhancement of accounting skills. Accounting is a prerequisite.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE PRINCIPLES OF ACCOUNTING

Short Name
PRIN ACCT

Course Code
030302

This two-semester course is designed to provide introductory knowledge of accounting principles, concepts, and practices. Included topics are the balance sheet, the income statement, the statement of owner's equity, the statement of cash flows, worksheets, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity and financial statement analysis. This course provides a foundation for more advanced work in the fields of accounting and business. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE PRINCIPLES OF ACCOUNTING II

Short Name

Course Code

PRINACCTII

030303

This course is a continuation of ACCT 1200 and is part of a Finance Academy. Principles of Accounting II includes accounting for businesses organized as corporations, cash flow statements, accounting for manufacturing businesses, preparing and using accounting data for management decision making, and analyzing and interpreting financial statements. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS COMMUNICATION

Short Name

Course Code

BUSNS COMM

030600

Students will reinforce communication skills needed in business, management and administrative occupations by composing and reading written and digital communications, developing and delivering formal and informal presentations, applying active listening skills to obtain and clarify information, and exhibiting interpersonal skills to deal positively with diverse individuals. Students will use tables, charts, and figures to support written and oral communication, and locate, organize, and reference written information from various sources to communicate effectively. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

FINANCIAL PLANNING

Short Name

Course Code

FIN PLAN

030801

This course is part of the National Academy Foundation's Academy of Finance. Financial Planning provides students with an overview of the job of a financial planner. Students look at financial planning in an objective way that requires them to regard all aspects of financial planning as relevant to a potential client.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT**INSURANCE**Short NameCourse Code**INSUR****030802**

This course is part of the National Academy Foundation's Academy of Finance. This course introduces students to the insurance industry and to its critical role in the financial services sector and to society. It covers common types of insurance, including life, health and disability, property, liability, and forms of commercial insurance, and career opportunities.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

FINANCIAL SERVICESShort NameCourse Code**FIN SERV****030803**

This course is part of the National Academy Foundation's Academy of Finance. Financial Services provides students with an overview of financial services companies. This course introduces student to banking, monetary policy, investing, and financial careers. Students examine current issues including ethics in the financial services industry.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE FUNDAMENTALS OF FINANCIAL PLANNINGShort NameCourse Code**COL FIN PL****030804**

This course is a college course that is part of a Finance Academy. This course is the first of two courses examining the fundamentals of financial planning. Students will examine the principles of financial planning, steps in the financial planning process, tools and techniques used in the planning process, and explore careers associated with financial planning. This course may be available for dual credit at the postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS LAW

Short Name

Course Code

BUSNS LAW

030900

A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation and constitutional issues including civil and criminal law.

Recommended Level: Grades 10-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE BUSINESS LAW

Short Name

Course Code

COL BUSLAW

030901

This course is a college course that is part of a Finance Academy. This course offers an introduction to ordinary legal aspects of business transactions involving such topics as legal rights and duties, law of contracts, law of sales, and law of property. It gives a general understanding and development of basic legal logic in business situations through the use of principles, cases, and information useful in determining the need for professional counsel. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS ECONOMICS

Short Name

Course Code

BUSNS ECON

031800

Business Economics is a course designed to help students make decisions and understand economic principles as applied to current events and issues. Emphasis includes allocation of resources, economic systems, economic institutions and incentives, markets and prices, market structures, productivity, role of government, global economic concepts, and economic indicators.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
SOCIAL SCIENCE	1501

BUSINESS STRATEGIES

Short Name

Course Code

BUSNSTRAT

031805

This course is part of the MBA Research Consortium's High School of Business National Model. Business strategies develop student understanding of skills in such areas as business law, entrepreneurship, financial analysis, human resources management, and strategic management. By planning, organizing, staffing, directing, leading, and controlling business activities, students acquire a realistic understanding of what is required to open and successfully run a business. They conduct situational, market, and competitive analyses; select a target market; develop a business plan; recruit, interview, select, and hire staff; supervise staff; control use of resources; and evaluate the results of the business effort. Throughout the course, students make decisions and use problem-solving skills. Formal reflection is an on-going component of the course.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

INTRODUCTION TO BUSINESS, MARKETING & MGMT

Short Name

Course Code

INTROBUSNS

032300

This course is designed as an introductory overview of the Business, Marketing and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored.

Recommended Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

EXPLORATION OF BUSINESS AND ENTREPRENEURSHIP

Short Name

Course Code

EXPBUS ENT

032350

A middle-level course designed to give students an overview of Business, Marketing and Management Career Field and Clusters with an emphasis on entrepreneurship. Students will begin the study of personal money management, basic business concepts, entrepreneurship concepts, the role of business in our society and be introduced to entrepreneurship as a career option.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

ENTREPRENEURSHIP

Short Name

Course Code

ENTREP

032370

Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies include the development of a business plan, operation of a school-based business, or actual creation of a student-run business.

Recommended Level: Grades 9-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE INTRODUCTION TO BUSINESS

Short Name

Course Code

COLINT BSN

032400

This college-level course surveys the structure and functions of the American business system in a global society, together with an overview of business organization, economics, management, marketing, and finance. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE INTRODUCTION TO ENTREPRENEURSHIP

Short Name

Course Code

COL ENTREP

032600

College Introduction to Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies include the development of a business plan, operation of a school-based business, or actual creation of a student-run business. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE ENTREPRENEURSHIP FEASIBILITY STUDY

Short Name

Course Code

COL ENTFEA

032601

College Entrepreneurship Feasibility Study is a course in which students will assess the viability of a new venture business idea to determine if the concept is feasible. The student will identify and analyze the present climate for their business idea by completing an industry, target market, and competitive analysis. The student will assess the financial needs for startup as well as their own skills, strengths, and talents to launch a successful business idea. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE ENTREPRENEURSHIP LEGAL ISSUES

Short Name
COLENT LGL

Course Code
032602

College Entrepreneurship Legal Issues explores legal issues related to business entities including sole proprietorship, general partnerships, limited partnerships, and corporations. Students will review contract law, articles of incorporations and the filing process, intellectual property, employment law (including FERPA, ADA, and FMLA), personnel policies and procedures, the hiring process, job descriptions, disciplinary actions, and business insurance. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE MARKETING FOR THE ENTREPRENEUR

Short Name
COL MKENT

Course Code
032603

College Marketing for the Entrepreneur will provide insights essential for marketing an entrepreneurial venture utilizing innovative and financially responsible marketing strategies. Students will develop an understanding of traditional and non-traditional entrepreneurial marketing strategies and prepare marketing strategies with associated tactics to launch and sustain an entrepreneurial venture. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE ENTREPRENEURSHIP FINANCIAL TOPICS

Short Name
COL ENTFIN

Course Code
032604

This course will cover financial topics for small business. Financial topics include budgeting, creation of financial statements and learning how to work with an accounting professional. Other topics covered are income tax, sales and use tax, unemployment tax, employee benefits and retirement planning. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT**COLLEGE ENTREPRENEURSHIP BUSINESS PLAN****Short Name
COL ENTBPL****Course Code
032605**

The student will evaluate a business concept and create a business plan. Students will assess the strengths and weaknesses of a business concept, apply research data into the plans, and prepare the financial projections for the business concept. Students will identify and evaluate various resources available for funding small businesses. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

MANAGEMENT AND LEADERSHIP**Short Name
MGT/LEAD****Course Code
032802**

This course emphasizes the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and relationship skills.

Recommended Level: Grades 10-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

COLLEGE PRINCIPLES OF MANAGEMENT**Short Name
COL MGT****Course Code
032803**

This course is a college course that is part of a Finance Academy. This is an introduction to the theory and practice of management of the organization. Special attention is devoted to the processes of planning, decision making, organizing, leading, and controlling the organization. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

PERSONAL FINANCE

Short Name

Course Code

PERSON FIN

033000

The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career planning are integrated throughout the curriculum.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

PRINCIPLES OF FINANCE

Short Name

Course Code

PRIN FIN

033001

This course is part of the MBA Research Consortium's High School of Business National Model. Principles of Finance furthers student understanding of two specific business activities - accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE WEALTH BUILDING & FINANCIAL MANAGEMENT	<u>Short Name</u> COL WEALTH	<u>Course Code</u> 033002
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This course is designed to provide knowledge of personal financial management. Students learn to manage their resources to make sound personal financial decisions, interpret data to develop short and long term budgetary plans, and develop product knowledge related to financial planning. Students will develop a financial plan that includes savings, investing, credit management, risk management, and retirement. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE INTERNATIONAL FINANCE	<u>Short Name</u> COL INTFIN	<u>Course Code</u> 033003
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This course is a college course that is part of a Finance Academy. This course offers an introduction to an analysis of international finance providing a conceptual framework within which the unique financial decisions of the multinational firm can be analyzed. The student gains an understanding of decision elements of the international organization such as divergences in currencies, exchange rate issues (variations and controls), rates of inflation, tax systems, money and capital markets, and political systems. This course may be available for dual credit a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE INTRODUCTION TO INVESTMENT	<u>Short Name</u> COL INVEST	<u>Course Code</u> 033004
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This course is a college course that is part of a Finance Academy. This course presents an introductory review of investment concepts and theory including analysis of individual investments, stocks, bonds, mutual funds, security markets, and portfolio management. This course may be available for dual credit a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT**COMPUTER APPLICATIONS**Short NameCourse Code**COMP APP****033422**

This middle-level course is designed to emphasize digital citizenship, basic computer operations, word processing applications, spreadsheet applications, presentation applications, and technology communication tools. Students will master keyboarding skills; compose, create, edit, and format word processing documents; organize and manipulate data in a spreadsheet; and prepare a formal presentation for Computer Applications to count toward a Program of Study the course must be offered for one semester at the 8th grade level.

Recommended Level: Middle/Junior High

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701
MIDDLE GR/BUSINESS ED	1812

KEYBOARDING APPLICATIONSShort NameCourse Code**KEYBD APP****033501**

Keyboarding is identified as a foundation knowledge and skill area for all students regardless of their career interest. This middle-level course is designed for students to learn touch typing techniques and proper keystroking while continuing to develop composition and proofreading skills as well as speed and accuracy. Students will demonstrate keyboarding proficiency in document formatting (letters, reports, and tables). Students will demonstrate acceptable ethical and social behavior while developing keyboarding skills. .

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701
MIDDLE GR/BUSINESS ED	1812

BUSINESS, MARKETING AND MANAGEMENT

BUSINESS IN A GLOBAL ECONOMY

<u>Short Name</u>	<u>Course Code</u>
GLOBL ECON	034100

This course is part of the National Academy Foundation's Academy of Finance, Business in a Global Economy provides students with an understanding of how and why businesses choose to expand their operations into other countries. This course exposes students to the unique challenges facing firms doing business internationally and to the potential opportunities and markets that are lost to firms that choose not to do business in the global marketplace.

Recommended Level: Grades 11-12

Career Cluster: Business Management and Administration

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

MARKETING

<u>Short Name</u>	<u>Course Code</u>
MARKET	038100

Students will explore the basic functions of marketing: pricing, promotion, product planning, and place/distribution: the marketing mix. The curriculum provides the foundational skills and knowledge in economics, communications skills/interpersonal skills, professional career development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum.

Recommended Level: Grades 10-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304

MARKETING MANAGEMENT

<u>Short Name</u>	<u>Course Code</u>
MARK MGT	038101

This course develops student understanding and skills promotion, channel management, marketing information management, market planning, pricing, and product/service management. The curriculum utilizes communication, team building, and problem-solving skills while applying academic and critical-thinking strategies. Application of academic concepts and technology are integrated throughout the curriculum enhancing career and professional development.

Recommended Level: Grades 10-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT

ADVANCED MARKETING

Short Name

Course Code

ADV MKTG

038200

The course will emphasize entrepreneurial development and responsive marketing strategies that meet customer needs. The course focuses on marketing concepts and the role of marketing in the organization and society. Topics include market segmentation, product development, promotion, distribution, and pricing. Additional topics include external environment, economics, politics, government, market research, international marketing, cultural diversity, ethics, technology, and careers in marketing. Capstone activities include development of a marketing or business plan.

Recommended Level: Grades 11-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

COLLEGE PRINCIPLES OF MARKETING

Short Name

Course Code

COL MKTG

038201

The course is an introduction to the language and issues of marketing with an emphasis on learning to develop responsive marketing strategies that meet customer needs. The course focuses on marketing concepts and the role of marketing in the organization and society. Topics include market segmentation, product development, promotion, distribution, and pricing. Additional topics include external environment, economics, politics, government, marketing research, international marketing, cultural diversity, ethics, technology, and careers in marketing. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Marketing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

ADVANCED PLACEMENT MACROECONOMICS

Short Name

Course Code

AP MACECON

038500

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. The purpose of an AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

BASIC BUSINESS

0301

BUSINESS, MARKETING, INFO TECH

0304

ECONOMICS

1503

COURSE CODES AND CLEARING ENDORSEMENTS	Page 31	Revised June 2016
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BUSINESS, MARKETING AND MANAGEMENT

ADVANCED PLACEMENT MICROECONOMICS

Short Name

Course Code

AP MICECON

038501

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. This course places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

COLLEGE MACROECONOMICS

Short Name

Course Code

CMACROEC

038502

This is a course designed to help students explore theories of employment, Gross Domestic Product, inflation and economic growth. Topics include income theories, savings and investments, business fluctuations, inflation, growth theories and monetary and fiscal policies. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT

COLLEGE MICROECONOMICS

<u>Short Name</u>	<u>Course Code</u>
CMICROEC	038503

This course presents the theory and application of the four market structures: pure competition, monopolistic competition, oligopoly and monopoly. Students determine the revenue, costs, output and prices for each market structure along with the social implications of each. In addition, the course analyzes various social issues using the microeconomic principles of elasticity, benefit and cost, and diminishing returns analysis. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503

BUSINESS, MARKETING AND MANAGEMENT, OTHER

<u>Short Name</u>	<u>Course Code</u>
BUSNS OTH	039930

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT, OTHER

<u>Short Name</u>	<u>Course Code</u>
BUSNS OTH	039931

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304

BUSINESS, MARKETING AND MANAGEMENT**BUSINESS, MARKETING AND MANAGEMENT, OTHER**Short NameCourse Code**BUSNS OTH****039932**

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT, OTHERShort NameCourse Code**BUSNS OTH****039933**

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

BUSINESS, MARKETING AND MANAGEMENT, OTHERShort NameCourse Code**BUSNS OTH****039934**

Courses not otherwise listed. Using codes 039930 through 039934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Business Management and Administrator

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

MIDDLE SCHOOL CAREER DEVELOPMENT

Short Name

Course Code

MS CAREER

320100

Students learn how to effectively explore careers while using the Nebraska Career Education Model and related resources. Students will learn the vocabulary and expectations of effective academic and career planning. A focus will be to discover the relationship between personal-social qualities, interests and skills to a wide variety of careers and postsecondary options to choose from. Emphasis will be given to learn and opportunities to practice the Nebraska Career Readiness Standards of Practice, which are current expectations in today's workplace. Students will draw upon these conclusions to develop a Personal Learning Plan to transition into high school with a broad career cluster focus.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

HIGH SCHOOL CAREER DEVELOPMENT

Short Name

Course Code

HS CAREER

320101

Students learn and apply the career and college planning process using the Nebraska Career Education Model and related resources. Students will identify personal interests, skills and values, then apply this knowledge to both academic and career decision making. Students will demonstrate progress/proficiency in Nebraska Career Readiness Standards of Practice which are current expectations in today's workplace. Student will activate the planning process by setting goals, developing and implement a Personal Learning Plan, for effective transition from high school to most appropriate post secondary education based on knowledge of self, career goal and financial considerations.

Recommended Level: High School

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY
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ENGAGE! CAREER EXPLORATION AND READINESS	<u>Short Name</u> ENGAGE	<u>Course Code</u> 320300
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This is a project based course designed to help middle school students explore career options using the Nebraska Career Education Model and understand the Nebraska Career Readiness Standards. The course is organized by three themes - Making it My Choice, A World of Options and Charting a Direction - with culminating individual and group projects. Students will define career clusters and pathways, describe examples of career readiness, utilize self-assessments to better understand interests, establish a career portfolio and create a personal learning plan to provide direction to high school and post-high school activities. This course is aligned to American School Counselor Association Standards for Students and integrates EducationQuest tools and resources for middle school students.

Recommended Level: Grades 7-8

Career Cluster: Foundational, Career Development and Career Education Introductory Course

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

C4C-CURRICULUM FOR CAREERS	<u>Short Name</u> C4C-CUR/CA	<u>Course Code</u> 320400
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This course provides an introduction to the Essential Knowledge and Skills of the Nebraska Career Education Model. It also introduces students to the Nebraska Career Fields and sixteen career Cluster. Students will develop a 6+ year Personal Learning Plan at the completion of this course.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY

FUNDAMENTALS OF ENTREPRENEURSHIP

Short Name
FUN ENTREP Course Code
320600

Fundamentals of Entrepreneurship is a course designed for students to explore the characteristics of an entrepreneur within any of the six career fields. Students will analyze opportunities in entrepreneurship. Emphasis is on understanding the forms of business ownership and reviewing the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the local, regional and national economy will be explored. Students will identify and understand the rationale of a start-up business plan.

Recommended Level: Grades 9-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903

WORK-BASED LEARNING/COOP/DO CLASS

Short Name
COOP ED/DO Course Code
320700

A class that provides students the opportunity to connect what they learn in school with worksite application. Students are placed in an occupation that best relates to their career interest and aptitude. The school and business community work together to plan activities that will enable each student to apply the knowledge, attitudes and skills learned in the classroom to actual business situations and positions.

This course must be a part of an NDE approved Cooperative Education/Diversified Occupations Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COOP ED DIV OCC	1605

WORK-BASED LEARNING/COOP/DO EXPERIENCE

Short Name
COOPDO EXP Course Code
320701

This course allows the district to award credit for the work based learning work experience. This is a companion course to 320700, the classroom portion of the COOP/DO, work based learning program.

This course must be a part of an NDE approved Cooperative Education/Diversified Occupations Program.

Recommended Level: Grades 11-12

Career Cluster: Foundation, Career Development and Career Education Introductory Courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
COOP ED DIV OCC	1605

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY
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CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329930
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Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329931
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Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER EDUCATION FOUNDATIONAL AND SPECIALTY
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CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329932
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Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329933
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Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

COURSE CODES AND CLEARING ENDORSEMENTS	Page 39	Revised June 2016
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CAREER EDUCATION FOUNDATIONAL AND SPECIALTY
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CAREER ED FOUNDATIONAL & SPECIALTY, OTHER	<u>Short Name</u> CEFS,OTHER	<u>Course Code</u> 329934
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Courses not otherwise listed. Using codes 329930-329934 means you can add five "other courses" by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster Level: Foundation, Career Development and Career Education

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSUMER SCIENCE	0903
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/AG EDUCATION	1810
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/INDUSTRIAL TECH	1816
SCHOOL COUNSELOR	2501

COMMUNICATION & INFORMATION SYSTEMS

PROGRAMMING I

Short Name

Course Code

PROG I

270401

Programming I covers fundamental concepts of programming. These are provided through explanations and effects of commands and hands-on utilization of computers to produce correct output. This course introduces effective techniques necessary for the efficient solution of a variety of complex problems using a high-level programming language. It includes problem descriptions, flow charts, hierarchy diagrams, pseudocode, and program documentation as a means of solving these problems. This course emphasizes the creation of efficient algorithms through fundamental programming techniques such as input/output handling, programming structures, and data storage. Students are introduced to project management techniques, including standard debugging techniques and collaborative programming strategies.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

PROGRAMMING II

Short Name

Course Code

PROG II

270402

Students will demonstrate advanced skills in the software development life cycle through in-depth use of a modern programming language. The content covered will include high-level, object-oriented concepts, while emphasizing the design of elegant solutions and efficient algorithms. Topics covered include the use of simple data types as well as complex data structures, best practices in application design, and the collaborative and social aspects of computing.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

PROGRAMMING III

Short Name

Course Code

PROG III

270403

Students will demonstrate advanced skills in the program development process through expanded use of programming language. Languages may include, but are not limited to C++, Visual Basic, Java, SQL, RPG, COBOL and Assembler. Students demonstrating advanced level programming knowledge and skills may be exposed to collaborative environments that simulate project environments.

Recommended Level: Grades 11-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION & INFORMATION SYSTEMS
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INFORMATION TECHNOLOGY APPLICATIONS I

Short Name

Course Code

ITECH I

270501

Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally.

Recommended Level: Grades 9-10

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

INFORMATION TECHNOLOGY APPLICATIONS II

Short Name

Course Code

ITECH II

270502

This course will focus on skill development in advanced spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Students taking both Information Technology Applications I and II may be eligible for dual credit at a participating postsecondary institution. Skills, standards, and coursework align with industry certifications.

Recommended Level: Grades 9-10

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COURSE CODES AND CLEARING ENDORSEMENTS	Page 42	Revised June 2016
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COMMUNICATION & INFORMATION SYSTEMS
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INFORMATION TECHNOLOGY FUNDAMENTALS

Short Name

Course Code

ITECH FUND

270504

Students are introduced to the proper use of information technologies (IT). In addition, they will be introduced to hardware and software selection and use, technology resource support, and ethical issues. Students will investigate information technology careers and certifications in networking, programming and IT support services. Units would include, but not be limited to, exploring concepts in networking, programming, and support services, computer hardware components and peripherals, system and application software, and impact of technology on society.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

CISCO I: INTRODUCTION TO NETWORKS

Short Name

Course Code

INTRONET

270505

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media and operations are introduced to provide a foundation for the curriculum. By the end of this course, students will be able to build simple LANs, perform basic configurations for routers and switches and implement IP addressing schemes.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701

CISCO II: ROUTING AND SWITCHING ESSENTIALS

Short Name

Course Code

R&S ESSEN

270506

This course describes the architecture, components and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. CCNA II is part of the CISCO Certified Network Associate program that prepares students for the CCENT industry certification.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS**CISCO III: SCALING NETWORKS**Short NameCourse Code**SCAL NET****270507**

This course describes the architecture, components and operations of routers and switches in a larger and more complex network. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network. CISCO III is part of the Cisco Certified Network Associate program that prepares students for industry certification.

Recommended Level: Grades 11-12

Career Cluster: Informational Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

INFORMATION TECHNOLOGY

2701

NETWORK SYSTEMSShort NameCourse Code**NET SYS****270601**

This course is a study of the fundamentals of current networking technology. Students will learn to design, plan, implement, and support computer networks. The course introduces a full range of computer networking from local area networks to wide area networks.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

INFORMATION TECHNOLOGY

2701

DIGITAL MEDIAShort NameCourse Code**DIG MEDIA****270602**

Students will create, design and produce digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management and web processes.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

BUSINESS, MARKETING, INFO TECH

0304

INFORMATION TECHNOLOGY

2701

COMMUNICATION & INFORMATION SYSTEMS

WEB DESIGN

Short Name

Course Code

WEB DESIGN

270604

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

PC SUPPORT AND MAINTENANCE

Short Name

Course Code

PC SUPP

270606

Students enter the world of computer technology and gain practical experience in assembling a computer system, installing an operating system, troubleshooting computers and peripherals, and using system tools and diagnostic software. They develop skills in resource sharing. In addition, students explore the relationships between internal and external computer components. Emphasis is placed on customer service skills and career exploration.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

INFORMATION TECHNOLOGY SUPPORT

Short Name

Course Code

ITECSUP

270607

Students will explore the issues related to providing information technology support to organizations. They will practice effective customer support strategies and learn troubleshooting techniques for hardware, software, and operating systems. Students will recommend technology products, design training documentation, and identify security threats.

Recommended Level: Grades 10-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS
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INTRODUCTION TO MEDIA

Short Name

Course Code

INT MEDIA

270608

Students enrolled in this course will explore media skills for a variety of purposes (e.g., print, broadcast, video, audio, Internet, mobile). Students will learn about the power of the media and its historical development, current trends, and future innovations. Legal and ethical standards will be introduced as students begin the writing and editing process through hands-on opportunities with equipment and software.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology, and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH LANGUAGE ARTS	0502
INFORMATION TECHNOLOGY	2701
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
SPEECH	0506
SPEECH	0522

MEDIA PRODUCTION I

Short Name

Course Code

MEDIA PROD

270609

Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as print, web, podcast, and/or broadcast. The emphasis of Media Production I is on collaboration and career exploration.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH LANGUAGE ARTS	0502
INFORMATION TECHNOLOGY	2701
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
SPEECH	0506
SPEECH	0522

COURSE CODES AND CLEARING ENDORSEMENTS	Page 46	Revised June 2016
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COMMUNICATION & INFORMATION SYSTEMS
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MEDIA PRODUCTION II

Short Name

Course Code

MED PRODII

270610

Students will apply their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will produce in a variety of media, such as print, broadcast, video, audio, Internet, and/or mobile. The emphasis of Media Production II is to work both independently and collaboratively to create a professional product while meeting deadlines.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH LANGUAGE ARTS	0502
INFORMATION TECHNOLOGY	2701
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
SPEECH	0506
SPEECH	0522

INTRODUCTION TO DIGITAL DESIGN

Short Name

Course Code

INT DIGTL

270611

This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphics, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines. Career opportunities in digital design will be explored.

Recommended Level: Grades 9-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS
--

INTERMEDIATE DIGITAL DESIGN

Short Name

Course Code

INTER DIGT

270612

Intermediate Digital Design is the second course within the Digital Design Pathway where students will focus on developing advanced skills to plan, design, and create interactive projects using the elements of text, graphics, animation, sound, video, and digital imaging in interactive projects. These skills can prepare students for entry-level positions and other occupational or educational goals.

Recommended Level: Grades 10-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

ADVANCED DIGITAL DESIGN

Short Name

Course Code

ADV DIGTL

270613

Advanced Digital Design is the final course in the Digital Design Pathway. Students focus on integrating computer skills and promoting individual design concepts and approaches in digital design. Studio problems are used to continue study in a variety of visual disciplines. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the real world of digital design: composition, color theory, illustrations, displays, promotional materials, packaging, logos, motion graphics, and the manipulation of photographic images.

Recommended Level: Grades 11-12

Career Cluster: Arts, A/V Technology and Communications

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS
--

ADVANCED PLACEMENT COMPUTER SCIENCE A

Short Name

Course Code

AP COMSC A

270700

The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design and abstraction. Students are expected to be familiar with and be able to use standard Java library classes from the AP Java subject. Students should be able to read and understand a description of the design and development process leading to such a program. This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.org

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

Short Name

Course Code

AP CSP

270702

The course introduces the essential ideas of computer science with a focus on how computing can impact the world. Along with the fundamentals of computing, one will learn to analyze data, information, or knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.org

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INFORMATION TECHNOLOGY	2701
MATHEMATICS	1100

COMMUNICATION AND INFORMATION SYSTEMS, OTHER

Short Name

Course Code

COMP OTHER

279930

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses. PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS**COMMUNICATION AND INFORMATION SYSTEMS, OTHER**Short NameCourse Code**COMP OTHER****279931**

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses.
PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHERShort NameCourse Code**COMP OTHER****279932**

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses.
PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION AND INFORMATION SYSTEMS, OTHERShort NameCourse Code**COMP OTHER****279933**

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses.
PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INFORMATION TECHNOLOGY	2701

COMMUNICATION & INFORMATION SYSTEMS
--

COMMUNICATION AND INFORMATION SYSTEMS, OTHER

Short Name

Course Code

COMP OTHER

279934

Programs or courses not otherwise listed or classifiable.

Using codes 279930 through 279934 means you can add five "other" courses by using one code for each one of the five courses.
PLEASE NOTE: Courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Information Technology

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

INFORMATION TECHNOLOGY

2701

DRIVER EDUCATION/SAFETY EDUCATION
--

DRIVER EDUCATION

Short Name

Course Code

DR ED

210105

The course emphasizes a combination of classroom study and automobile operation designed to assist students in becoming knowledgeable traffic citizens while providing the opportunity to operate an automobile under actual road conditions.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

DRIVER EDUCATION

2101

SAFETY EDUCATION

Short Name

Course Code

SAFETY ED

210200

A combination of subject matter and experiences directed toward the conservation of human and material resources. The learning environment provided is such that students may acquire knowledge and behavioral patterns conducive to efficient and safe living.

This code should also be used for such courses as:

- School Safety
- Bicycle, Motorcycle Safety
- Vocational and Occupational Safety
- Moped Safety
- Pedestrian Safety
- Other Safety

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

DRIVER EDUCATION

2101

EDUCATION AND TRAINING

EXPLORING EDUCATION AND TRAINING

Short Name

Course Code

EXP ED TR

350001

This course is designed to help students explore professional or learning support positions in education, education-related careers and training. Student will research the profession of teaching and personality and leadership traits that contribute to a successful teacher. The course will provide an overview of ethics and professionalism, societal influences, classroom management and practices, and the understanding of the educational governance structure.

Recommended Level: Grades 9-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT

8888

HUMAN GROWTH AND DEVELOPMENT

Short Name

Course Code

HUMAN DEV

350002

This course covers the study of human development (physical, mental, emotional and social) either from infancy through adolescence, or through the entire lifespan. Includes how to develop positive interactions with others, and how development can be guided at each age.

Recommended Level: Grades 10-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

FAMILY/CONSUMER SCIENCE

0903

EXPERIENCING TEACHING

Short Name

Course Code

EXP TEACH

350010

This course provides students with volunteer experience in fields related to education. Goals are cooperatively set by students and supervising teacher so that students increase their understanding about the roles and responsibilities of a teacher. Opportunities may include experiencing teaching in a controlled setting by designing learning experiences and giving presentations. Classroom instruction could include questioning, developing objectives and assessments, safety practices, IEP development and technology applications.

Recommended Level: Grades 10-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

OTHER ENDORSEMENT

8888

EDUCATION AND TRAINING

EARLY CHILDHOOD EDUCATION I

<u>Short Name</u>	<u>Course Code</u>
ECED I	350015

This course focuses on the ages of birth to eight years and in areas such as: Creating a learning environment, interacting with children, creating learning activities, health and safety, and nutrition. It may also include instruction on parenting practices. It is recommended that students attain CPR certification by the end of this course.

Recommended Level: Grades 10-12

Career Cluster Level: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

EARLY CHILDHOOD EDUCATION II

<u>Short Name</u>	<u>Course Code</u>
ECED II	350020

An examination of various types of early childhood programs and the licensure requirements related to each, program planning and evaluation, and working with special needs children. Hands-on experience with young children is strongly recommended.

Recommended Level: Grades 10-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

EDUCATION AND TRAINING, OTHER

<u>Short Name</u>	<u>Course Code</u>
EDTR, OTH	359930

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING**EDUCATION AND TRAINING, OTHER**Short NameCourse Code**EDTR, OTH****359931**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHERShort NameCourse Code**EDTR, OTH****359932**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING, OTHERShort NameCourse Code**EDTR, OTH****359933**

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
OTHER ENDORSEMENT	8888

EDUCATION AND TRAINING

EDUCATION AND TRAINING, OTHER

Short Name

Course Code

EDTR, OTH

359934

Courses not otherwise listed. Using codes 359930-359934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Education and Training

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE

0903

OTHER ENDORSEMENT

8888

ENGLISH LANGUAGE ARTS**LANGUAGE ARTS/SKILLS**Short NameCourse Code**LANG ARTS****050001**

Subject matter and experience concerned with the knowledge, understanding and skills in the full range of language experiences, requiring oral, written and listening skills. Activities include most of the following:

Language and linguistics, English, composition,
Reading, literature, public media, speech,
Dramatic arts and journalism.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508

ENGLISH LANGUAGE ARTS

LINGUISTICS

Short NameCourse Code

LINGUISTS

050008

An introductory study of language such as, its nature, structure, varieties and history, including especially the sound system, grammatical system, vocabulary, word derivation and writing system.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH	0501
ENGLISH AS 2ND LANG	0605
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521
SPEECH	0506
SPEECH	0522
WORLD LANGUAGE	0699
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

ENGLISH LANGUAGE ARTS

ENGLISH

Short Name

Course Code

ENGLISH

050011

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SECONDARY ENGLISH	0512

ENGLISH I

Short Name

Course Code

ENG I

050021

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 9th grade students.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SECONDARY ENGLISH	0512

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ENGLISH LANGUAGE ARTS

ENGLISH II

Short Name

Course Code

ENG II

050022

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 10th grade students.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
SECONDARY ENGLISH	0512

ENGLISH III

Short Name

Course Code

ENG III

050023

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 11th grade students.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
SECONDARY ENGLISH	0512

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ENGLISH LANGUAGE ARTS

ENGLISH IV

Short Name

ENG IV

Course Code

050024

Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

Generally appropriate for 12th grade students.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
SECONDARY ENGLISH	0512

ADVANCED PLACEMENT ENGLISH LANG/COMP

Short Name

AP ENGCOMP

Course Code

050050

An AP course in English Language and Composition engages students in becoming skilled readers of prose, written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. The purpose of this course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. This course should help students move beyond such programmatic responses as the five-paragraph essay that provides an introduction with a thesis and three reasons, body paragraph on each reason, and a conclusion that restates the thesis.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502

ADVANCED PLACEMENT ENGLISH LIT/COMP

Short Name

AP ENG LIT

Course Code

050051

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Reading in an AP course is both wide and deep. This reading necessarily builds upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods - from the 16th to the 21st century.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502

ENGLISH LANGUAGE ARTS

IB LANGUAGE A - (ENGLISH)

Short Name

Course Code

IB ENG A

050052

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502

CREATIVE WRITING/COMPOSITION

Short Name

Course Code

WRITING

050100

Learning experiences designed to develop knowledge, understanding, and skills involved in expressive uses of writing. Experiences include poetry, fiction and non-fiction used primarily to express the interests and emotions of the writer.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521

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ENGLISH LANGUAGE ARTS

READING

Short Name

Course Code

READING

050102

Learning experiences designed to develop student skill in generating meaning from a variety of texts. Instruction typically emphasizes the continuous development of reading skills and processes appropriate for student needs and purposes for reading.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508
SECONDARY ENGLISH	0512
SPED EARLY CHLDHOOD	1916

LITERATURE, GENERAL

Short Name

Course Code

LITERATURE

050300

The study of printed materials which have noteworthy content and excellence of style and which may be identified by country, type and/or period of time.

This code should also be used for such courses as:
Classical Literature

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

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ENGLISH LANGUAGE ARTS

AMERICAN LITERATURE	<u>Short Name</u> AM LIT	<u>Course Code</u> 050301
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The study of printed materials which have noteworthy content and excellence of style and which are limited to those written by American authors (including Colonial period writers).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

BRITISH LITERATURE	<u>Short Name</u> BRIT LIT	<u>Course Code</u> 050304
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The study of printed materials which have noteworthy content and excellence of style and which are limited to those written by British authors.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502

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ENGLISH LANGUAGE ARTS

LITERATURE, SPECIALIZED

Short Name

Course Code

LIT SPEC

050310

The study of printed materials which have noteworthy content and excellence of style and which are limited to specific periods of time, genre, author or subject matter, e.g., Science Fiction, 20th Century Novels, Mark Twain, Shakespeare, etc.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817

ADVANCED PLACEMENT SPANISH LITERATURE

Short Name

Course Code

AP SPANLIT

050315

The AP Spanish literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American literature. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502

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ENGLISH LANGUAGE ARTS

JOURNALISM I

Short Name

Course Code

JOURN I

050401

This course introduces students to the concept of newsworthiness and press responsibility; develops students' skills in writing and editing stories, headlines, and captions; and teaches students the basis of production design, layout, and printing of a publication such as school newspapers, year books and literary magazines.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
MIDDLE GR/LANGUAGE ARTS	1817

JOURNALISM II

Short Name

Course Code

JOURN II

050402

This course provides students practice in advanced journalistic techniques and involves them in the formation and/or management of the production team. This course may include the production of a school newspaper, yearbook, or literary magazine and may include elements of photography, photojournalism, and exploration of opportunities for careers in journalism.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
MIDDLE GR/LANGUAGE ARTS	1817

ENGLISH LANGUAGE ARTS

RADIO/TV PRODUCTION

Short Name

Course Code

RADIO/TV

050404

A study of broadcasting that includes its history, role in contemporary society, artistic dimensions, production techniques, principal genres, etc.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH LANGUAGE ARTS	0502
JOURNALISM AND MEDIA EDUCATION	0510
JOURNALISM AND MEDIA EDUCATION	0520
THEATRE	0523
THEATRE	1204

SPEECH, BEGINNING

Short Name

Course Code

SPEECH BEG

050501

An introductory course in oral communication. Emphasized are intra and inter- personal communication through activities in group discussion, audience analysis, speech organization and delivery.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH	0522

ENGLISH LANGUAGE ARTS

SPEECH, ADVANCED

Short NameCourse Code

SPEECH AD

050502

The second level of study in oral communication. In addition to further practice in public speaking, opportunities may be included to study and practice debates, communication theory and oral interpretation of literature.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
SPEECH	0506
SPEECH	0522

DEBATE

Short NameCourse Code

DEBATE

050503

The study of the application of forms of argument to test ideas or reach decisions.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH LANGUAGE ARTS	0502
SPEECH	0506
SPEECH	0522

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ENGLISH LANGUAGE ARTS

PERSONAL COMMUNICATION

Short Name

Course Code

PERS COMM

050505

The study and practice of the transitional nature of the communication act as it is affected by self-image, stereotypes, verbal and non-verbal feedback and/or communication barriers.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH	0522

APPLIED COMMUNICATIONS

Short Name

Course Code

APPLD COMM

050506

A course designed to assist students in developing and refining job-related communication skills: reading, writing/composition, listening, speaking, problem-solving, thinking, visual and nonverbal skills, all interwoven in a manner that prepares students for the world of work outside the classroom. The course is designed to integrate the study of literature with skills needed in the workplace.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/BUSINESS ED	1812
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521
SECONDARY ENGLISH	0512

ENGLISH LANGUAGE ARTS

DRAMA, BEGINNING

Short Name
DRAMA BEG

Course Code
050600

The study of a type of literature distinguished by plot, setting, theme and characters engaged in movement and dialogue. The main types and styles of dramatic literature usually studied are: tragedy, comedy, melodrama, farce, social drama of ideas, classical, romantic, realistic, impressionistic and expressionistic. Appreciation of the literary qualities may be enhanced by its being read as an artistic creation intended for performance on a stage.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SPEECH	0506
SPEECH	0522
THEATRE	0523
THEATRE	1204

DRAMA, ADVANCED

Short Name
DRAMA ADV

Course Code
050650

The continued study of dramatic literature and styles of its presentation. May also include writing of such literature.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH LANGUAGE ARTS	0502
THEATRE	0523
THEATRE	1204

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ENGLISH LANGUAGE ARTS

LANGUAGE ARTS-SOCIAL SCIENCE CORE

Short Name

Course Code

LANG SOCS

050700

An integrated, interdisciplinary study of language arts, skills, literature, and social science - typically U.S. history. May also include components from such related areas of the humanities as art and music.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
HISTORY	1505
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

READING-MIDDLE GRADES/JUNIOR HIGH I

Short Name

Course Code

READ MG I

050800

This course includes experiences designed to help students expand, develop, and apply reading skills introduced in the elementary grades. This includes reading both for information and enjoyment.

Use this code for the first course in reading at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508
SECONDARY ENGLISH	0512

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ENGLISH LANGUAGE ARTS

READING-MIDDLE GRADES/JUNIOR HIGH II

Short Name

Course Code

READ MG II

050801

This course includes experiences designed to help students expand, develop, and apply reading skills introduced in first level of middle grades reading. This includes reading both for information and enjoyment.

Use this code for the second course in reading at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508
SECONDARY ENGLISH	0512

LANGUAGE ARTS-MIDDLE GRADES/JUNIOR HIGH I

Short Name

Course Code

LANG MG I

050802

This course includes experiences that engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the elementary grades.

Use this code for the first course in language arts at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SECONDARY ENGLISH	0512

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ENGLISH LANGUAGE ARTS

LANGUAGE ARTS-MIDDLE GRADES/JUNIOR HIGH II	<u>Short Name</u> LANG MG II	<u>Course Code</u> 050803
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This course includes experiences that continue to engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the first level of middle grades language arts.

Use this code for the second course in language arts at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SECONDARY ENGLISH	0512

LANGUAGE ARTS-MIDDLE GRADES/JUNIOR HIGH III	<u>Short Name</u> LANG MGIII	<u>Course Code</u> 050804
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This course includes experiences that continue to engage students in using language for a variety of reading, writing, speaking, and listening purposes designed to help students expand, develop, and apply the skills introduced in the first and second level of middle grades language arts.

Use this code for the third course in language arts at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
SECONDARY ENGLISH	0512

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ENGLISH LANGUAGE ARTS

ENGLISH LANGUAGE ARTS, OTHER

Short Name

Course Code

ENG OTHER

059930

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

Using codes 059930 through 059934 means you can add five "other" courses by using one code for each one of the five courses.

Course codes for Introduction to Media, Media Production I, and Media Production II are found within Communication & Information Systems located within Career Education course listings.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521

ENGLISH LANGUAGE ARTS, OTHER

Short Name

Course Code

ENG OTHER

059931

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

Course codes for Introduction to Media, Media Production I, and Media Production II are found within Communication & Information Systems located within Career Education course listings.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521

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ENGLISH LANGUAGE ARTS

ENGLISH LANGUAGE ARTS, OTHER

Short Name

Course Code

ENG OTHER

059932

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

Course codes for Introduction to Media, Media Production I, and Media Production II are found within Communication & Information Systems located within Career Education course listings.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521

ENGLISH LANGUAGE ARTS, OTHER

Short Name

Course Code

ENG OTHER

059933

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

Course codes for Introduction to Media, Media Production I, and Media Production II are found within Communication & Information Systems located within Career Education course listings.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521

ENGLISH LANGUAGE ARTS

ENGLISH LANGUAGE ARTS, OTHER

Short Name

Course Code

ENG OTHER

059934

Include here other organized subject matter and experiences emphasized in English language arts which are not classifiable or listed above.

Course codes for Introduction to Media, Media Production I, and Media Production II are found within Communication & Information Systems located within Career Education course listings.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
READ AND WRITING	0511
READ AND WRITING	0521

FINE ARTS (ART)

ART I

Short Name

Course Code

ART I

020100

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to the individual student, culture, history, and to other curricular areas.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

ART II

Short Name

Course Code

ART II

020200

A second course in Art. In-depth considerations of design and composition, with extended experiences in two and three dimensional work; may be in 9-week segments emphasizing, for example:

- Drawing
- Painting
- Printmaking
- Pottery/Ceramics
- Sculpture
- Photography

Further consideration of art appreciation, theory, and history may be included at this level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
MIDDLE GR/ART	1811

ART III

Short Name

Course Code

ART III

020300

An extension of the experiences provided in Art II with the opportunity for increasing specialization. Specialized courses in art appreciation, theory and history should be designated with this title.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

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FINE ARTS (ART)

ART IV

Short Name
ART IV

Course Code
020400

Independent, contract study.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

ADVANCED PLACEMENT STUDIO ART 2D

Short Name
AP ART 2D

Course Code
020500

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design and Drawing - corresponding to the most common college foundation courses.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

ADVANCED PLACEMENT STUDIO ART 3D

Short Name
AP ART 3D

Course Code
020501

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design and Drawing - corresponding to the most common college foundation courses.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

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FINE ARTS (ART)

ADVANCED PLACEMENT STUDIO ART DRAW	<u>Short Name</u> AP ART DR	<u>Course Code</u> 020502
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The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design and Drawing - corresponding to the most common college foundation courses.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

ADVANCED PLACEMENT ART HISTORY	<u>Short Name</u> AP ARTHIST	<u>Course Code</u> 020503
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The AP Art History course should engage students at the same level as an introductory college art history survey. Such a course involves critical thinking and should develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media.

It also provides an opportunity for schools to strengthen an area neglected in most curricula. In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who perform successfully on the AP Art History Exam.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200

PHOTOGRAPHY	<u>Short Name</u> PHOTOGRAPH	<u>Course Code</u> 020600
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An introductory course dealing with the study of such topics as exposure, film types, filters, cameras, lenses, close-up photography, photomacrography, photomicrography, proof sheets, negatives, the darkroom, and basic techniques and skills of photography.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
MIDDLE GR/ART	1811

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FINE ARTS (ART)

ART-MIDDLE GRADES/JUNIOR HIGH I

Short Name

Course Code

ART MG I

020800

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to the individual student, culture, history, and to other curricular areas.

Use this code for the first course in art at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

ART-MIDDLE GRADES/JUNIOR HIGH II

Short Name

Course Code

ART MG II

020801

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to the individual student, culture, history, and to other curricular areas.

Use this code for the second course in art at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

FINE ARTS (ART)

ART-MIDDLE GRADES/JUNIOR HIGH III

<u>Short Name</u>	<u>Course Code</u>
ART MG III	020802

The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to the individual student, culture, history, and to other curricular areas.

Use this code for the third course in art at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

ART, OTHER

<u>Short Name</u>	<u>Course Code</u>
ART OTHER	029930

Programs or courses not otherwise listed or classifiable.

Using codes 029930 through 029934 means you can add five "other" courses by using one code for each of the five courses.

Course codes for Introduction to Digital Design, Intermediate Digital Design, and Advanced Digital Design are found within Career Education course listings under Communication & Information Systems.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

FINE ARTS (ART)

ART, OTHER

<u>Short Name</u>	<u>Course Code</u>
ART OTHER	029931

Programs or courses not otherwise listed or classifiable.

Course codes for Introduction to Digital Design, Intermediate Digital Design, and Advanced Digital Design are found within Career Education course listings under Communication & Information Systems.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

ART, OTHER

<u>Short Name</u>	<u>Course Code</u>
ART OTHER	029932

Programs or courses not otherwise listed or classifiable.

Course codes for Introduction to Digital Design, Intermediate Digital Design, and Advanced Digital Design are found within Career Education course listings under Communication & Information Systems.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

FINE ARTS (ART)

ART, OTHER

Short Name
ART OTHER

Course Code
029933

Programs or courses not otherwise listed or classifiable.

Course codes for Introduction to Digital Design, Intermediate Digital Design, and Advanced Digital Design are found within Career Education course listings under Communication & Information Systems.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

ART, OTHER

Short Name
ART OTHER

Course Code
029934

Programs or courses not otherwise listed or classifiable.

Course codes for Introduction to Digital Design, Intermediate Digital Design, and Advanced Digital Design are found within Career Education course listings under Communication & Information Systems.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
GENERAL ART	0201
MIDDLE GR/ART	1811

FINE ARTS (THEATRE)**INTRODUCTION TO THEATRE**Short Name**THEATRE**Course Code**220100**

Courses involving study of playwriting, dramatic literature, scenic design, acting, directing, and the supporting arts and crafts of the THEATRE and may include certain aspects of radio, TV, film, and other media. Generally, such study should be coupled with opportunities for the actual production of the various forms of theatre arts.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

ENGLISH LANGUAGE ARTS

0502

MIDDLE GR/LANGUAGE ARTS

1817

THEATRE

0523

THEATRE

1204

FINE ARTS (MUSIC)

MUSIC

Short Name
MUSIC

Course Code
120100

Music designed for all students for general cultural development.

This code should also be used for:
General Music

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

VOCAL MUSIC

Short Name
VOCALMUSIC

Course Code
120400

Learning experiences designed for vocal repertoire and vocal skills through solo and group performance in ensembles of students such as a choir, chorus and swing choir/show choir.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MUSIC	1201
VOCAL MUSIC	1203

SMALL PERFORMING GROUPS/VOCAL

Short Name
VOC GRPS

Course Code
120450

A vocal chamber group such as a trio, quartet, octet, and/or ensembles that offer opportunities not available in larger groups.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MUSIC	1201
VOCAL MUSIC	1203

FINE ARTS (MUSIC)

INSTRUMENTAL MUSIC

Short Name

Course Code

INSTRMUSIC

120500

The study of instrumental music skills through solo and group performance in larger ensembles of students such as concert, marching, and jazz band, and full or string orchestra.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201

SMALL PERFORMING GROUPS/INSTRUMENTAL

Short Name

Course Code

INSTR GRPS

120550

An instrumental chamber group such as a trio, quartet, or quintet that offers opportunities not available in larger groups.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201

INDIVIDUAL INSTRUCTION/VOCAL

Short Name

Course Code

IND/VOC

120600

Instruction designed for developing skills and knowledge in vocal performance.

NOTE: No more than 10 instructional units may be counted for either vocal or instrumental individual instruction or any combination thereof.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MUSIC	1201
VOCAL MUSIC	1203

FINE ARTS (MUSIC)

INDIVIDUAL INSTRUCTION/INSTRUMENTAL

<u>Short Name</u>	<u>Course Code</u>
IND/INS	120650

Instruction designed for developing skill and knowledge in instrumental performance.

NOTE: No more than 10 instructional units may be counted for either vocal or instrumental individual instruction or any combination thereof.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201

ADVANCED PLACEMENT MUSIC THEORY

<u>Short Name</u>	<u>Course Code</u>
AP MUSTHEO	120700

The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. In an AP Music Theory course, students should be required to read, notate, write, sing and listen to music.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

FINE ARTS (MUSIC)

MUSIC, OTHER

<u>Short Name</u>	<u>Course Code</u>
MUSIC OTH	129930

Music courses not listed or classifiable under the above codes.

This code could be used for:
 Music Literature, History
 Music Appreciation
 Music Theory

Using codes 129930 through 129934 means you can add five "other" courses by using one code for each one of the five courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

MUSIC, OTHER

<u>Short Name</u>	<u>Course Code</u>
MUSIC OTH	129931

Music courses not listed or classifiable under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

FINE ARTS (MUSIC)

MUSIC, OTHER

<u>Short Name</u>	<u>Course Code</u>
MUSIC OTH	129932

Music courses not listed or classifiable under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

MUSIC, OTHER

<u>Short Name</u>	<u>Course Code</u>
MUSIC OTH	129933

Music courses not listed or classifiable under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

FINE ARTS (MUSIC)

MUSIC, OTHER

Short Name

Course Code

MUSIC OTH

129934

Music courses not listed or classifiable under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

INSTRUMENTAL MUSIC

1202

MUSIC

1201

VOCAL MUSIC

1203

HEALTH SCIENCES

EXPLORATION OF HEALTH SCIENCES

<u>Short Name</u>	<u>Course Code</u>
EXPLORE HS	077200

Introduction to Health Science careers within the five pathways. This course may provide experiences along with information and knowledge related to the health care field.

Recommended Level: Middle/Junior High

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700

PLTW MEDICAL DETECTIVES

<u>Short Name</u>	<u>Course Code</u>
PLTW MD	077201

This course is taught at the middle school level. Medical Detectives (MD) explores the biomedical sciences through hands-on projects and labs that require students to solve a variety of medical mysteries. Students investigate medical careers, vital signs, diagnosis and treatment of diseases, as well as human body systems such as the nervous system. Genetic testing for hereditary diseases and DNA crime scene analysis put the students in the place of real life medical detectives.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grade 8

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES I

Short Name

Course Code

HLTHSC I

077300

Introduction to Health Sciences is designed to give an overview of the therapeutic, diagnostic, support services, biotechnology & research and health informatics pathways. The course focuses on health careers, exploration, leadership development, medical terminology, ethical and legal responsibilities, the history of health care and the economics of health care. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES II

Short Name

Course Code

HLTHSC II

077301

This course is designed to experience health careers at a personal level. Instruction includes anatomy and physiology, medical terminology, medical ethics and law, diseases and disorders, positive and negative health and wellness behaviors, and first aid. Skills learned will be applicable to students continuing in the medical science field. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES III

Short Name

Course Code

HLTHSCIII

077302

Advanced Studies is the appreciation and exploration of a variety of health science careers or an in-depth study of a specific health science career. Course work would include work-based learning experiences, advanced career planning, and mentorship opportunities in the student's career interest. This could be designated as an individualized study program. It is recommended for senior year; with appropriate prerequisite course work and faculty and/or industry approval. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grade 12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

PERSONAL AND COMMUNITY MEDICAL ISSUES/PUBLIC HEALTH

Short Name

Course Code

MEDISSPH

077303

Students will gain an increased understanding of how their personal health is influenced by a wide range of biological, environmental, political, and societal factors, and will explore the numerous ways in which public health professionals are trained to promote and protect population health and well-being locally, regionally, at the national, as well as the global level. This course will engage students in critical conversations around how they can influence their own, as well their community's health outcomes through education and advocacy efforts. A variety of both acute and chronic diseases will be explored from a public health perspective. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

EXPLORING THE CLINICAL LAB

Short Name

Course Code

CLINLAB

077304

This course provides students with the art and science of the clinical laboratory. The class will explore the global range of career opportunities and traits available in the clinical lab. Students will job shadow in the community to gain real life clinical lab experience. Examination of legal and ethical issues will be covered throughout the class. Participants will have hands on practice with lab techniques, equipment, and record keeping relevant to medical, veterinary, dental, biotechnology, agricultural and food science and multiple other professions. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

NURSING ASSISTANT/CNA

Short Name

Course Code

NA/CNA

077400

This is a basic nursing knowledge and skills course for the nurse assistant in a health care setting. It meets the requirements of Public Law 100-203 OBRA and is approved by the Nebraska Department of Health. This course is required to be taught by a R.N. or B.S.N. in order for students to receive high school credit, arrangements need to be made to insure teaching certification. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

MEDICATION AIDE

Short Name

Course Code

MEDAIDE

077401

A course of instruction in which an individual receives training in administering medications, this course has minimum requirement of 40 hours and students must be 18 yrs of age in order to sit for the written exam administered by the state board of Health and Human Services. This course must be taught by an R.N. licensed in QMA. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

EMERGENCY MEDICAL TECHNICIAN/CERT

Short Name

Course Code

EMT/CERT

077402

This course is designed and based on the Department of Transportation's National Highway Safety Administrations Emergency Medical Technician National Education Standards for teaching basic emergency medical care and transportation of critical and emergent patients who access the emergency medical system. This course focuses on the basic knowledge and skills necessary to provide care and transportation in an emergency situation providing the link between the emergency scene to the emergency health care system. Students learn to perform interventions with the basic equipment typically found on an ambulance.

This must be taught by a State licensed Emergency Medical Services - Instructor. Students must complete course and successfully complete the National Registry of Emergency Medical Technician's certification examination in order to apply for a State EMT license. Students must have reached the age of 18 in order to sit for the exam. A cooperating Nebraska endorsed teacher must collaborate with this course if the EMS instructor does not have a postsecondary dual-credit or a career education teaching permit. This course may be available for dual credit at a postsecondary institution.

Recommended Level: Grade 11

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SCIENCE	1301

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HEALTH SCIENCES

PHARMACY TECHNICIAN

<u>Short Name</u>	<u>Course Code</u>
PHARM TECH	077444

This course is an introduction to pharmacy technology professions. Employment opportunities and basic pre-pharmacy technician skills which may be utilized in either clinical and community settings such as retail, home health care and ambulatory care pharmacies. This course is recommended for students planning on pursuing careers which may require basic pharmaceutical knowledge, common health care mathematical applications and/or technical proficiency in the administration medications. After the completion of this course, students may be eligible to take the Pharmacy Technician Certification Exam (PTCE) through the Pharmacy Technician Certification Board (PTCB). This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Prerequisites for the course are Introduction to Health Sciences (077300) and Medical Terminology (077600).

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
HEALTH SCIENCES	0700
SCIENCE	1301

PHLEBOTOMY TECHNICIAN

<u>Short Name</u>	<u>Course Code</u>
PHL TECH	077446

This is a semester course designed to help the student become prepared for the phlebotomy technician certification exam upon completion of all required components. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

HEALTH SCIENCES

INTRODUCTION TO SPORTS MEDICINE

Short Name

Course Code

SPORTS MED

077500

This course is designed for students who may be interested in a career in Sports Medicine. This course should feature the prevention, recognition, treatment, and rehabilitation of activities caused by physical activity or athletics. Topics may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, medical terminology. Students may learn to measure cardio respiratory endurance, flexibility, body composition, and blood pressure. CPR/AED certification is a prerequisite for this course or a required outcome of the course. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 10-12
 Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

MEDICAL TERMINOLOGY

Short Name

Course Code

MED TERM

077600

This course is designed to help students learn medical language by analyzing their components. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 9-12
 Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

EXERCISE SCIENCE

Short Name

Course Code

EXER SCI

077601

This course is appropriate for students wishing to pursue a career in personal training or for those who desire an introduction in the field of exercise science. The course will enable students to perform fitness assessments, according to current national guidelines and to use data to develop exercise and training routines, fitness plans and nutritional programs to fit the needs of clients. Successful completion of this course along with any other requirements may lead to a potential eligibility to take the Personal Trainer Exam through a certifying body. Leadership development activities of the career and technical student organization HOSA|Future Health Professionals is strongly encouraged. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Prerequisites for this course are Introduction to Health Sciences (077300) and Anatomy/Physiology (130210).

Recommended Level: Grades 11 -12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

PERFORMANCE NUTRITION

Short Name

Course Code

SPORT NUTR

077701

This course is designed to help students explore professional or support positions in the field of Sport and Human Performance Nutrition. Students will study components of the science of nutrition as how it relates to and impacts the human body during performance. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HUMAN LIFE CYCLE NUTRITION

<u>Short Name</u>	<u>Course Code</u>
HULICY NUT	077702

This course is designed to give students an understanding of human nutrition and how it places a roll in every human life cycle. Every human age category and it's nutritional requirements for positive health and the impact of nutritional deficiencies will be studied. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

HEALTH INFORMATION TECHNOLOGY

<u>Short Name</u>	<u>Course Code</u>
HIT	077800

Health Information Technology (HIT) is the management and use of information in Health Sciences related to, but not limited to, communications, legal & ethical implications, data management & organization, and technology applications. Completion of this course allows the student to obtain entry-level competencies defined by the American Health Information Management Association. These are nationally accepted standards of practitioner roles and function. This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 9-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH SCIENCES	0700
INFORMATION TECHNOLOGY	2701

HEALTH SCIENCES

BEHAVIORAL HEALTH I

Short Name

Course Code

BEHAV HE I

077801

This is the first of two one a semester courses that establishes a foundation that is necessary to understand and investigate the field of Behavioral Health. Course emphasis is placed on teaching students to successfully investigate the Behavioral Health workforce structure and acquire awareness and knowledge of career area. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12
 Career Cluster: Health Sciences

This course can only be taught by teachers who have completed the Behavioral Health training.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

BEHAVIORAL HEALTH II

Short Name

Course Code

BEHAV HEII

077802

Student must have completed Behavioral Health I in order to take this course. Course establishes a foundation that is necessary to understand and investigate the field of Behavioral Health. Course emphasis is placed on teaching students to successfully investigate the Behavioral Health workforce structure and acquire awareness and knowledge of career area. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12
 Career Cluster: Health Sciences

This course can only be taught by teachers who have completed the Behavioral Health training.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

COURSE CODES AND CLEARING ENDORSEMENTS	Page 100	Revised June 2016
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HEALTH SCIENCES

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE I

Short Name

Course Code

PLTW BMD I

077803

This is the first of two courses. Students must complete this course in order to take Biomedical Science II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 9-10

Career Cluster: Health Sciences

Endorsement Name

Endorsement Number

BIOLOGY

1303

FAMILY/CONSMR SCIENCE

0903

HEALTH SCIENCES

0700

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE II

Short Name

Course Code

PLTW BMDII

077804

This is the second of two courses. Students must complete Biomedical Science I in order to take this class. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 9-10

Career Cluster: Health Sciences

Endorsement Name

Endorsement Number

BIOLOGY

1303

FAMILY/CONSMR SCIENCE

0903

HEALTH SCIENCES

0700

HEALTH SCIENCES

PLTW HUMAN BODY SYSTEMS

<u>Short Name</u>	<u>Course Code</u>
PLTW HBS I	077805

This is the first of two courses. Students must complete in order to take Human Body Systems II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11
Career Cluster: Health Sciences

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

PLTW HUMAN BODY SYSTEMS II

<u>Short Name</u>	<u>Course Code</u>
PLTW HBSII	077806

This is the second of two courses. Student must complete Human Body Systems I in order to take this course. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11
Career Cluster: Health Sciences

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700

HEALTH SCIENCES**PLTW MEDICAL INTERVENTIONS I**Short NameCourse Code**PLTW MI I****077807**

This is the first of two courses. Students must take this course in order to take Medical Interventions II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11

Career Cluster: Health Sciences

Endorsement NameEndorsement Number

BIOLOGY

1303

FAMILY/CONSUMER SCIENCE

0903

HEALTH SCIENCES

0700

PLTW MEDICAL INTERVENTIONS IIShort NameCourse Code**PLTW MI II****077808**

This is the second of two courses. Students must have taken Medical Interventions I in order to take this course. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 10-11

Career Cluster: Health Sciences

Endorsement NameEndorsement Number

BIOLOGY

1303

FAMILY/CONSUMER SCIENCE

0903

HEALTH SCIENCES

0700

COURSE CODES AND CLEARING ENDORSEMENTS	Page 103	Revised June 2016
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HEALTH SCIENCES

PLTW BIOMEDICAL INNOVATION I

Short Name

Course Code

PLTW BMI I

077809

This is the first of two courses. Student must take this course in order to take Biomedical Innovation II. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In this capstone course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gain from previous courses to design innovation solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 12

Career Cluster: Health Sciences

Endorsement Name

Endorsement Number

BIOLOGY

1303

FAMILY/CONSUMER SCIENCE

0903

HEALTH SCIENCES

0700

PLTW BIOMEDICAL INNOVATION II

Short Name

Course Code

PLTW BMII

077810

This is the second of two courses. Student must have taken Biomedical Innovation I in order to take this class. Due to the nature of PLTW project based course design this yearlong course is divided into two semesters for course coding and reporting. It is up to the teacher discretion where semester break occurs in individual classrooms.

In this capstone course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gain from previous courses to design innovation solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Teacher/Instructor is required to successfully complete PLTW teacher professional development in order to teach this course.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Recommended Level: Grades 12

Career Cluster: Health Sciences

Endorsement Name

Endorsement Number

BIOLOGY

1303

FAMILY/CONSUMER SCIENCE

0903

HEALTH SCIENCES

0700

HEALTH SCIENCES

HEALTH INFORMATION MANAGEMENT AND ETHICS

<u>Short Name</u>	<u>Course Code</u>
HE ITMA ET	077812

This course establishes a foundation that is necessary to understand and investigate the field of Health Information Management and Ethics. Legal relationships of physicians and patients, management of communications, contractual agreements, professional liability, malpractice, medical practice acts, and biotechnical issues will be covered with emphasis placed on legal terms, professional attitudes, and the principles of basic concepts of ethics involved in providing medical services.

This course may be available for dual credit at a postsecondary institution. Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 10-12
 Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH SCIENCES	0700
SOCIAL SCIENCE	1501

ALLIED HEALTH AND MEDICINE

<u>Short Name</u>	<u>Course Code</u>
ALL HEALTH	077900

This class will give student practical application at a clinical site or simulated experience. These experiences can occur in a variety of locations included classroom/lab and availability of community resources as determined by the instructor. The experiences should be designed to enhance and supplement the students' knowledge and skill in allied health. The class also includes research for a professional career of interest documented by a professional portfolio.

Classroom and laboratory activities are supplemented through health science experiences and leadership programs and activities.

Recommended Level: Grades 11-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES, OTHER

Short Name

Course Code

HS OTHER

077930

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES, OTHER

Short Name

Course Code

HS OTHER

077931

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES, OTHER

Short Name

Course Code

HS OTHER

077932

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES, OTHER

Short Name

Course Code

HS OTHER

077932

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

HEALTH SCIENCES

HEALTH SCIENCES, OTHER

Short Name

Course Code

HS OTHER

077934

Health Sciences courses not listed or classifiable under the above codes, including independent study courses. This would include classes designated for preparation for a specific pathway in Therapeutic Services, Diagnostic Services, Health Information, Health Support Services, Health Sciences, and/or Health Care Sciences. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Health Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
FAMILY/CONSUMER SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
HEALTH SCIENCES	0700
SCIENCE	1301

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HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM

Short Name

Course Code

HOSP TOUR

370010

Hospitality and Tourism provides the student with an understanding of one of the largest industries in the world. Specific applications include the evolution of the industry, food and beverage, lodging, international and domestic travel, business operations, and hospitality and tourism career exploration.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903

CULINARY SKILLS 1

Short Name

Course Code

CULINARY1

370021

This course is designed to provide students with curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, food safety and sanitation, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

CULINARY SKILLS 2

Short Name

Course Code

CULINARY2

370022

This course is designed to provide students with an advanced curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration. ServSafe Certification may be available at this level through the National Restaurant Association Educational Foundation.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

PROSTART 1

<u>Short Name</u>	<u>Course Code</u>
PROSTART1	370030

This foundational course is an industry-driven curriculum that prepares students for careers in the restaurant and foodservice management industry. This course will focus on the following topics: career paths, safety and sanitation, industry standards, food methods and techniques, food service management, and customer services.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

PROSTART 2

<u>Short Name</u>	<u>Course Code</u>
PROSTART2	370031

This course is designed to provide students with an industry-driven curriculum providing real-life opportunities and the application of practical skills encompassing culinary techniques and management skills.

Recommended Level: Grades 9-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER

<u>Short Name</u>	<u>Course Code</u>
HOSPOTH	379930

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMILY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM, OTHER

<u>Short Name</u>	<u>Course Code</u>
HOSPTOTH	379931

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER

<u>Short Name</u>	<u>Course Code</u>
HOSPTOTH	379932

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

HOSPITALITY AND TOURISM, OTHER

<u>Short Name</u>	<u>Course Code</u>
HOSPTOTH	379933

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
FAMLY/CONSMR SCIENCE	0903

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HOSPITALITY AND TOURISM

HOSPITALITY AND TOURISM, OTHER

Short Name

Course Code

HOSPOTH

379934

Courses not otherwise listed. Using codes 379930 through 379934 means you can add five "other" courses by using one code for each one of the give courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Hospitality and Tourism

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

BUSINESS, MARKETING, INFO TECH

0304

FAMILY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS**FAMILY AND CONSUMER SCIENCES 6****Short Name
FACS 6****Course Code
090005**

This is a course designed with the introductory concepts of Family and Consumer Sciences in mind. Students will develop their knowledge of family living, decision making, nutrition, and consumer practices.

Recommended Level: Middle/Junior High

Career Cluster: Human Sciences and Education/Family and Consumer Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

FAMILY AND CONSUMER SCIENCES 7**Short Name
FACS 7****Course Code
090006**

This intermediate course is designed to extend learning of Family and Consumer Sciences concepts. Student will develop their knowledge of family living, decision making, nutrition and wellness, independent living, and consumer practices.

Recommended Level: Middle/Junior High

Career Cluster: Human Sciences and Education/Family and Consumer Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

FAMILY AND CONSUMER SCIENCES 8**Short Name
FACS 8****Course Code
090007**

This Family and Consumer Sciences advanced course will develop students knowledge and skills in areas of relationships, family living, team work and conflict management, nutrition and wellness, consumer practices, and independent living.

Recommended Level: Middle/Junior High

Career Cluster: Human Sciences and Education/Family and Consumer Sciences

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903
MIDDLE GR/FAMILY & CONSUMER	1813

HUMAN SERVICES/FCS

INTRODUCTION TO HUMAN SCIENCE/FCS

<u>Short Name</u>	<u>Course Code</u>
INT HUMAN	090101

This course is intended to enable students to have a broad scope of experiences that will provide an overview and fundamental knowledge and essential skills of Human Science with a foundation of, but not limited to family and consumer sciences. Students will explore career possibilities and develop a personal learning plan. Students will practice basic life and career readiness skills and learn to apply them to personal life situations.

Recommended Level - Grades 9 -10

Career Cluster - Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

TEXTILES, CONSTRUCTION AND DESIGN

<u>Short Name</u>	<u>Course Code</u>
TEXTILES	090103

This course provides instruction in social, psychological and historical aspects of clothing and textiles. Textile and apparel design, selection, construction, maintenance and alteration of textile products will be analyzed and taught. This course integrates knowledge, skills, and practices required for careers in textile, scientific research and fashion and marketing.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

LIFE AND CAREER READINESS

<u>Short Name</u>	<u>Course Code</u>
L/C READI	090104

This course is designed to help students learn to manage issues in everyday living, prepare for personal life and career responsibilities and develop employability skills. Participation in this course provides a catalyst to greater self-awareness, enhanced relationships, improved cultural competencies and increased control over choosing direction for one's own life and career.

Recommended Level: Grade 12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

HUMAN SERVICES/FCS

HUMAN FOOD, NUTRITION & WELLNESS

<u>Short Name</u>	<u>Course Code</u>
NUTRI FOOD	090107

This course is designed to provide students with the base foundation knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a beginning foundation of nutrition and food science, students will learn basic preparation skills, the reason behind the reactions of foods and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903

ADVANCED HUMAN FOOD, NUTRITION & WELLNESS

<u>Short Name</u>	<u>Course Code</u>
ADV HFNW	090108

This course is designed to provide and prepare students with the advanced knowledge needed to properly and efficiently fuel the human body through food selection, storage and preparation methods. Students will study foods using advanced project based nutritional and food science learning methods. Applying the reactions of foods in the short-term and long-term consequences of over all human wellness as a result of nutritional intake through the foods they prepare, consume, and exposure to the business of food and food production.

Recommended Level: Grades 11-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903

HOUSING AND INTERIOR DESIGN

<u>Short Name</u>	<u>Course Code</u>
HOUSING	090109

This course provides instruction in the physical, physiological and social influences of housing styles and options; exterior and interior design; selection, use and care of home furnishings and equipment; use of available resources for achieving improved living space to meet individual and family needs; and exposure to careers related to housing and interior design.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903

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HUMAN SERVICES/FCS

FOOD SCIENCE

Short Name

Course Code

FOOD SCI

090113

Instruction which provides students with an understanding of the food science industry, food packaging/labeling, sensory evaluation of foods, marketing food products, constituents of foods, nutritive aspects of food constituents, operation of food industry, food microbiology, food processing and food science applications, and, exposure to careers related to food science.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
FAMILY/CONSUMER SCIENCE	0903

RELATIONSHIPS

Short Name

Course Code

RELATION

090116

The course includes the study of interpersonal relationships and the effect of these relationships on the well-being of individuals, families, work and society. The course includes concepts such as effective communication, establishing and maintaining relationships, diverse family systems, characteristics of personal development and the impact of relationships on personal and career success.

Recommended Level: Grades 9-12

Career Cluster: Human Services

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

PARENTING DECISIONS

Short Name

Course Code

PARENTING

090117

Students will evaluate the effects of parenting roles and responsibilities on the well-being of individuals and families. In this course students will explain the following: influences on parenting, decisions to parent, family planning, conception, prenatal development, healthy pregnancy, birth, care of the newborn, support services for parents, supporting the physical, emotional, intellectual, and social development of the newborn, parenting theories, and family adjustment to parenthood.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSUMER SCIENCE	0903

HUMAN SERVICES/FCS**CHILD DEVELOPMENT**Short NameCourse Code**CHILD DEV****090119**

This course integrates knowledge, skills and practices necessary for nurturing the growth and development of children. The study of the biological, psychological and social development factors as related to the development of young children will be studied in addition to the parenting and child care/education practices that maximize human growth and development.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

FASHION DESIGN AND MARKETINGShort NameCourse Code**FASHION****090206**

Fashion Design explores the evolving field of the clothing we wear and why we wear it. Students will examine fashion design through historical and current frameworks, consider the process of a design from concept to consumer purchase, and identify key components of fashion pieces that distinguish it from others.

Recommended Level: Grades 10-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

THE BUSINESS OF TEXTILESShort NameCourse Code**AD TEXTILE****090207**

This course will bring together the parts of knowledge that emphasizes the textiles and bio-fibers, textile production and issues concerning the global textile industry. Students will be required to demonstrate that they can combine concepts to build new ideas for new situations. This course is designed for students interested in careers in the areas but not limited to sales, research or management in the textile industry.

Recommended Level: Grades 11-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS

LEADERSHIP AND ETHICS IN HUMAN SERVICES

<u>Short Name</u>	<u>Course Code</u>
LEADER HS	090208

This course is designed to provide a background of leadership styles and information on the necessary leadership skills including collaboration, ethics and teamwork. The course is assessed with a real-life opportunity to demonstrate one's own leadership style through a practical, personal experience.

Recommended Level: 9-12 grade

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903

CONSUMER ECONOMICS

<u>Short Name</u>	<u>Course Code</u>
CONECON	090209

Study directly focuses on students learning the life readiness skills needed to evaluate and implement best management practices related to human, economic and environmental resources. This course of study includes personal and family financial literacy, consumer mathematics and life/work literacy that contribute to the overall wellness and functionality of today's individual.

Recommended Level: Grades 11-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS, OTHER

<u>Short Name</u>	<u>Course Code</u>
HSR OTH	099930

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMLY/CONSMR SCIENCE	0903

HUMAN SERVICES/FCS**HUMAN SERVICES/FCS, OTHER**Short NameCourse Code**HSR OTH****099931**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS, OTHERShort NameCourse Code**HSR OTH****099932**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

HUMAN SERVICES/FCS, OTHERShort NameCourse Code**HSR OTH****099933**

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

FAMLY/CONSMR SCIENCE

0903

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HUMAN SERVICES/FCS

HUMAN SERVICES/FCS, OTHER

Short Name

Course Code

HSR OTH

099934

Human Services and Resources courses not otherwise listed or classified. May include Technology and Living and Home Management and other courses with content in Family and Consumer Sciences; Human Services; Education and Training; Law, Public Safety and Security, and/or Government and Public Administration. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Human Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

FAMILY/CONSMR SCIENCE

0903

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LAW, PUBLIC SAFETY AND SECURITY

**FOUNDATIONS OF LAW, PUBLIC SAFETY, CORRECTIONS &
SECURITY**

Short Name
LAW Course Code
390010

An exploration of the five pathways of this career cluster: correction services, emergency and fire management services, law enforcement services, legal services and security and protective services, including exposure to careers within all pathways.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

INTRODUCTION TO CRIMINAL JUSTICE

Short Name
INCRIM JST Course Code
390015

An overview of the history, development and philosophies for crime control and the role of law enforcement within a democratic society. Topics would include an examination of the criminal justice system with an emphasis on the police, the courts (prosecution and defense) and the correctional agencies, and exposure to careers related to criminal justice.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

INTRODUCTION TO FIRE & EMERGENCY SERVICES

Short Name
FIRE SERV Course Code
390020

An introduction to fire prevention and control including the chemistry of combustion, factors that influence fire and safety procedures. May also introduce students to the organization and regulations of fire departments, emergency medical procedures and fire investigation techniques.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY
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COURTS & JUDICIAL PROCESS

<u>Short Name</u>	<u>Course Code</u>
COURTS	390025

Examines legal aspects of investigative and arrest as well as rule governing the admissibility of evidence in court. It focuses primarily on police and correctional due process, application of the law, and civil liability concerns. Topics include search and seizure, arrest and interrogation, revocation and probation and parole, probable cause and other timely issues.

Recommended Level: Grades 10-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

POLICE AND SOCIETY

<u>Short Name</u>	<u>Course Code</u>
POLICE	390026

This course examines the role of the police in relationship to law enforcement and American society. Topics include, but are not limited to the role and function of police, the nature of police organizations and police work, and the patterns of police-community relations.

Recommended Level: Grades 9-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER

<u>Short Name</u>	<u>Course Code</u>
LPSS OTHER	399930

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

LAW, PUBLIC SAFETY AND SECURITY
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LAW, PUBLIC SAFETY AND SECURITY, OTHER

<u>Short Name</u>	<u>Course Code</u>
LPSS OTHER	399931

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER

<u>Short Name</u>	<u>Course Code</u>
LPSS OTHER	399932

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

LAW, PUBLIC SAFETY AND SECURITY, OTHER

<u>Short Name</u>	<u>Course Code</u>
LPSS OTHER	399933

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

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LAW, PUBLIC SAFETY AND SECURITY
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LAW, PUBLIC SAFETY AND SECURITY, OTHER

Short Name

Course Code

LPSS OTHER

399934

Courses not otherwise listed. Using codes 399930 through 399934 means you can add five "other" courses by using one code for each one of the five courses. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Law, Public Safety and Security

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

Other Endorsement

8888

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MATHEMATICS

ARITHMETIC

Short Name

Course Code

ARITHMETIC

110201

That group of elementary rules and principles giving the existing relationships between, and methods of computing with, numbers. Courses should be designed to develop the skills and habits associated with understanding the number processes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

PRE-ALGEBRA

Short Name

Course Code

ALGEBRAPRE

110299

This course includes the four basic operations and properties on the real numbers with emphasis on integers, solutions of one and two step equations, and creation of functional tables and graphing linear pairs.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

ALGEBRA, BEGINNING

Short Name

Course Code

ALGEBRA BE

110300

An organization of mathematics subject matter concerned primarily with introductory study of properties of number systems (real number, complex numbers). Topics studied include algebraic expressions and symbols, operations of reals (addition, multiplication, inverse operations), binomials, absolute values, proofs, and functions.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

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MATHEMATICS

ALGEBRA, ADVANCED

<u>Short Name</u>	<u>Course Code</u>
ALGEBRA AD	110306

An organization of mathematics subject matter concerned primarily with intermediate and advanced study of properties of number systems (real numbers, complex numbers). Topics studied include graphing in two and three dimensions, set notations, polynomials, exponential notation and operations with exponents, upper and lower bounds, continued sums, matrices, vectors, limits, continuous functions, complex number, combinations, and permutations.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

APPLIED MATHEMATICS I

<u>Short Name</u>	<u>Course Code</u>
APPLDMATHI	110501

This course includes concepts found in general mathematics and beginning algebra with emphasis on problems and lab experiences which have everyday relevance. Concepts include using ratio and proportion, powers and roots, and formulas to solve problems.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

APPLIED MATHEMATICS II

<u>Short Name</u>	<u>Course Code</u>
APP MATHII	110502

This course includes concepts found in first-year algebra with emphasis on problems and lab experiences which have everyday relevance. Concepts include using linear and nonlinear equations, graphing, factoring, function, quadratics, systems of equations and inequalities to solve problems.

Upon prior completion of a year of appropriate beginning algebra concepts and upon completion of all algebra units in Applied Mathematics II, algebra credit can be given.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

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MATHEMATICS

APPLIED MATHEMATICS III

Short Name

Course Code

APPMATHIII

110503

This course includes concepts found in first year geometry with emphasis on exploring basic relationship through informal proofs and making conjectures by utilizing manipulatives, geometry tools and technology, and applying geometry to real world situations throughout the course. Concepts include the study of lines and angles, right triangle relationships, shapes in two and three dimensions, logic, coordinate geometry, transformations and spatial visualization.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

CALCULUS

Short Name

Course Code

CALCULUS

110600

The study of two fundamental limits, called the derivative and the integral, and their evaluation by means of a function of algebra called "the Calculus".

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

ADVANCED PLACEMENT CALCULUS AB

Short Name

Course Code

AP CALC AB

110620

The purpose of this course is to introduce students to the major concepts of Calculus which includes the analysis of graphs, limits of functions, derivatives, and integrals.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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MATHEMATICS

ADVANCED PLACEMENT CALCULUS BC	<u>Short Name</u> AP CALC BC	<u>Course Code</u> 110621
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This course includes Calculus AB topics with the addition of parametric, polar and vector functions and their derivatives, applications of integrals, polynomial approximations and series.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

COLLEGE TECHNICAL MATHEMATICS	<u>Short Name</u> COTECHMATH	<u>Course Code</u> 110622
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This is a dual-credit course offered by Nebraska Community Colleges for students to develop math sciences required in career/technical fields. This course includes a review of arithmetic operations, exponents, algebraic operations and right triangle trigonometry with emphasis on placed applications.

Recommended Level: Grades 11-12

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

IB MATHEMATICAL STUDIES	<u>Short Name</u> IB MATH ST	<u>Course Code</u> 110623
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IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam at the Subsidiary or Higher level. Intended to provide students with the skills to cope with the mathematical demands of a technological society. Course topics include linear, quadratic, and exponential functions, solutions, and graphs; skills in computation, estimation, and development of algorithms; data analysis, including collection, calculation, and presentation of statistics; set operations and logic; business techniques, including progressions and linear programming; and geometry and trigonometry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

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MATHEMATICS

IB MATHEMATICS

Short Name

Course Code

IB MATH

110624

IB Mathematics courses prepare students to take the International Baccalaureate Mathematics exams at the Subsidiary or Higher level. Topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bilinear, exponential and logarithmic functions; two dimensional vectors and matrices; and probability.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

IB FURTHER MATHEMATICS-SL

Short Name

Course Code

IB MATH SL

110625

IB Further Mathematics-SL courses prepare students to take the International Baccalaureate Further Mathematics at the Subsidiary level. Designed to advance students' knowledge of IB mathematics-HL. Course topics include geometry; statistics and probability; sets, relations and groups; series and differential equations; and discrete mathematics.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

IB MATHEMATICS & COMPUTING-SL

Short Name

Course Code

IB MATH CP

110626

IB Mathematics and Computing-SL courses prepare students to take the International Baccalaureate Mathematics and Computing exam at the Subsidiary level. Designed to give students a working knowledge of a high level programming language and sound mathematical training. Course topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry, including simultaneous linear equations, binomial theorem, and polynomial and quadratic functions and equations; calculus; vectors and matrices; and numerical analysis. The course also contains components on computer problem solving and programming; topics regarding computer hardware, software, modes of operation, and data types and structures.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

INFORMATION TECHNOLOGY

2701

MATHEMATICS

1100

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MATHEMATICS

MATHEMATICS, GENERAL

<u>Short Name</u>	<u>Course Code</u>
GEN MATH	111100

A course that provides students a comprehensive review of basic mathematical skills. Students have opportunity to apply the math concepts to business, consumer and money management situations.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

GEOMETRY

<u>Short Name</u>	<u>Course Code</u>
GEOMETRY	111200

The branch of mathematics concerned with geometric figures in the plane and in space. Geometry emphasizes the use of logic in establishing proofs.

This code should also be used for geometry courses such as:

- Analytical
- Plane
- Plane and Solid
- Solid

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

PRE CALCULUS (INTRODUCTION TO ANALYSIS)

<u>Short Name</u>	<u>Course Code</u>
PRE CALC	111300

An integrated body of selected aspects of algebra, trigonometry and analytic geometry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

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MATHEMATICS

TRIGONOMETRY

Short Name

Course Code

TRIG

111600

The study of trigonometric ratios and circular functions.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

STATISTICS/PROBABILITY

Short Name

Course Code

STATISTICS

111700

The study of data analysis involving sampling, organization and interpretation of data. The study of probability through experimental and theoretical approaches.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

FINITE/DISCRETE MATHEMATICS

Short Name

Course Code

FINITE

111701

The topics included in the finite mathematics are linear programming, game theory, Markov processes and probability. The discrete mathematics would include topics like graph and networks, combinations and counting, Boolean algebra, Pascal's triangle, the pigeonhole principle and iterative methods for solving equations.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

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MATHEMATICS

ADVANCED PLACEMENT STATISTICS

<u>Short Name</u>	<u>Course Code</u>
AP STATS	111720

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- * Exploring Data: Describing patterns and departures from patterns
- * Sampling and Experimentation: Planning and conducting a study
- * Anticipating Patterns: Exploring random phenomena using probability and simulation
- * Statistical Inference: Estimating population parameters and testing hypotheses

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100

BUSINESS MATH

<u>Short Name</u>	<u>Course Code</u>
BUSNS MATH	111800

This course is designed to prepare students for various life roles by offering multiple opportunities to develop and use mathematical skills. Computational skills are essential for citizens, consumers, wage earners, employers, investors, and entrepreneurs. The objectives of this course are to improve computational skills and apply them to personal business situations. Areas of study include mathematical problems dealing with interest, percentages, loans, installment buying, insurance, savings and investments, depreciation, markup and markdown, payroll, taxes, real estate and retirement.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATHEMATICS-MIDDLE GRADES/JR HIGH I

<u>Short Name</u>	<u>Course Code</u>
MATH MG I	112800

This course includes experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

Use this code for the first course in mathematics at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

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MATHEMATICS

MATHEMATICS-MIDDLE GRADES/JR HIGH II

<u>Short Name</u>	<u>Course Code</u>
MATH MG II	112801

This course provides experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

Use this code for the second course in mathematics at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATHEMATICS-MIDDLE GRADES/JR HIGH III

<u>Short Name</u>	<u>Course Code</u>
MATH MGIII	112802

This course provides experiences that include practice in numeration, computation, estimation, problem solving, geometry/special concepts and measurement. It introduces algebraic and statistical concepts and provides opportunities for students to develop understanding of the structure of mathematics.

Use this code for the third course in mathematics at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATH, OTHER

<u>Short Name</u>	<u>Course Code</u>
MATH OTHER	119930

Mathematics courses not listed or classified under the above codes.

Using codes 119930 through 119934 means you can add five "other" courses by using one code for each one of the five courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATHEMATICS

MATH, OTHER

<u>Short Name</u>	<u>Course Code</u>
MATH OTHER	119931

Mathematics courses not listed or classified under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATH, OTHER

<u>Short Name</u>	<u>Course Code</u>
MATH OTHER	119932

Mathematics courses not listed or classified under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATH, OTHER

<u>Short Name</u>	<u>Course Code</u>
MATH OTHER	119933

Mathematics courses not listed or classified under the above codes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818

MATHEMATICS

MATH, OTHER

Short Name

Course Code

MATH OTHER

119934

Mathematics courses not listed or classified under the above codes.

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MATHEMATICS

1100

MIDDLE GR/MATHEMATICS

1818

PERSONAL DEVELOPMENT

ADOLESCENT DEVELOPMENT

<u>Short Name</u>	<u>Course Code</u>
ADOLE DEV	260200

A course which focuses on helping adolescents better understand the aspects (social, emotional, physical, intellectual) of their own developmental stage. Topics such as self-concept; building self-esteem, establishing and maintaining positive relationships and communications with peers and adults; and assuming responsibility and independence would be included. The Skills for Adolescence/Quest program is one example of this course. If the course is focused more specifically towards the disciplines of family and consumer sciences, health, or social science, it should be included in the other category for that discipline.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

STUDY SKILLS

<u>Short Name</u>	<u>Course Code</u>
STUDYSKILL	260300

Learning experiences which develop skills necessary to locate, interpret, understand and use information. Topics included are such reading skills as surveying, skimming, scanning and SQ3R. Additionally, alphabetizing, summarizing, paraphrasing, outlining, note-taking and test-taking skills may be included, as may library, research, and time management skills.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

LIBRARY MEDIA SKILLS

<u>Short Name</u>	<u>Course Code</u>
LIBR SKILL	260400

Course designed to provide students with information and basic skills in using the resources of library media centers to locate, evaluate, and retrieve information. May include instruction in safe, efficient, and proper use of the Internet.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
SCHOOL LIBRARIAN	2508

PERSONAL HEALTH & PHYSICAL FITNESS

HEALTH I

Short Name

Course Code

HEALTH I

080100

Learning activities concerning health to achieve desirable knowledge, understanding, attitudes and practices related to personal, family and community health issues.

This code should also be used for such courses as:

- First Aid
- HIV/AIDS Education
- Drug Education
- Other Health

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

HEALTH II

Short Name

Course Code

HEALTH II

080101

An advanced course with current health trends and issues as its central focus, with direction to:

- a) Consumer Health/Protection
- b) Family Life Education
- c) Health Planning
- d) Health Careers
- e) Health Services

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801

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PERSONAL HEALTH & PHYSICAL FITNESS

HEALTH, SPECIALIZED	<u>Short Name</u> HEALTHSPEC	<u>Course Code</u> 080105
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A specialized course with healthful living as its central focus primarily directed to:

- a) a safe and healthful school environment
- b) world health issues past, present, future
- c) the role of nutrition, exercise, and stress management to total physical well being.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
MIDDLE GR/HEALTH & PE	1815

FAMILY HEALTH	<u>Short Name</u> FAM HEALTH	<u>Course Code</u> 080106
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Instruction related to establishing and maintaining a lifestyle which promotes personal fitness, family health and related consumer skills. May include an examination of all aspects of health (physical, social, emotional and mental), nutrition and fitness (including weight control), substance use and abuse, home safety, and family life education (including death and dying).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
FAMILY/CONSMR SCIENCE	0903
HEALTH & PHYS EDUC	2304
HEALTH EDUCATION	0801
MIDDLE GR/FAMILY & CONSUMER	1813
MIDDLE GR/HEALTH & PE	1815

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PERSONAL HEALTH & PHYSICAL FITNESS

PHYSICAL EDUCATION	<u>Short Name</u> PHYS ED	<u>Course Code</u> 080150
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A general course with an emphasis on physical, social, emotional and mental well being through the medium of physical activity.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

PHYSICAL EDUCATION I	<u>Short Name</u> PHYS ED I	<u>Course Code</u> 080200
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An introductory course in organized, sequential, and systematic application of the concepts and principles of the art and science of human movement through physical activities.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

PERSONAL HEALTH & PHYSICAL FITNESS

PHYSICAL EDUCATION II

<u>Short Name</u>	<u>Course Code</u>
PHYS ED II	080300

An advanced course, with movement as its central focus, primarily directed to:

- a) the student's ability to move,
- b) the student's use of movement ability for essential purposes such as survival, health maintenance and improvement, fitness, education and leisure, communication and expression,
- c) the relationship of movement to the student's physical and social environment and to other aspects of total growth and development.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

PHYSICAL EDUCATION III

<u>Short Name</u>	<u>Course Code</u>
PHYSED III	080400

A specialized course with physical fitness and lifetime sports as its central focus primarily directed to:

- a) physical fitness as assessed through measures of strength, flexibility, and circular respiratory endurance, plus ratings of static and dynamic postures,
- b) emphasizing the advantages of voluntary participation throughout life in a variety of activities.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

PHYSICAL EDUCATION IV

<u>Short Name</u>	<u>Course Code</u>
PHYS ED IV	080500

An advanced course with an emphasis on the significant social, emotional, mental and physical benefits of physical activity directed to:

- a) the promotion of total physical well being with an emphasis on longevity and activity,
- b) degenerative diseases as result of inappropriate nutrition/exercise habits.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

PERSONAL HEALTH & PHYSICAL FITNESS

PHYSICAL EDUCATION, SPECIALIZED

Short Name Course Code
PHYSEDSPEC **080600**

A specialized course with educational technology and current trends and issues as its central focus primarily directed to the students' ability to utilize exercise physiology concepts as they relate to human movement and performance.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

STRENGTH TRAINING

Short Name Course Code
STR TRNG **080601**

A specialized course with strength training as it's central focus primarily directed to muscle strength and endurance through the development of knowledge and skills using free weights or resistance machines. The principles of training (progression, overload, specificity, regularity, and individuality) are incorporated into the course with an emphasis on safety and proper body positioning.

* This course is not recommended for middle grades - Resistance training using machines, weights, or barbells should only be used with students in grades 9-12.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
PHYSICAL EDUCATION	0802

PHYSICAL EDUCATION, OTHER

Short Name Course Code
PHYSED OTH **089930**

A specialized course which focuses on a specific set of skills such as:
Swimming, weight lifting/strength training, dance, etc.

Using codes 089930 through 089934 means you can add five "other" courses by using one code for each one of the five courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

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PERSONAL HEALTH & PHYSICAL FITNESS

PHYSICAL EDUCATION, OTHER

<u>Short Name</u>	<u>Course Code</u>
PHYSED OTH	089931

A specialized course which focuses on a specific set of skills such as:

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

PHYSICAL EDUCATION, OTHER

<u>Short Name</u>	<u>Course Code</u>
PHYSED OTH	089932

A specialized course which focuses on a specific set of skills such as:

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

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PERSONAL HEALTH & PHYSICAL FITNESS

PHYSICAL EDUCATION, OTHER

Short Name

Course Code

PHYSED OTH

089933

A specialized course which focuses on a specific set of skills such as:

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

PHYSICAL EDUCATION, OTHER

Short Name

Course Code

PHYSED OTH

089934

A specialized course which focuses on a specific set of skills such as:

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HEALTH & PHYS EDUC	2304
MIDDLE GR/HEALTH & PE	1815
PHYSICAL EDUCATION	0802

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SCIENCE

BIOLOGY

Short Name

Course Code

BIOLOGY

130201

The study of the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy and organization in living systems, and behavior of organisms. Students should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
MIDDLE GR/NATURAL SCIENCES	1819
SCIENCE	1301

BIOLOGY-ADVANCED STUDIES

Short Name

Course Code

BIOLOGYADV

130202

A continuation of the topics and concepts of Biology, with Biology as a prerequisite. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms. Students should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

ANATOMY and PHYSIOLOGY

Short Name

Course Code

ANAT/PHYS

130210

The branch of Biology that relates to the structure and relationship between body parts and the relationship between the function of body parts and the body as a whole.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

SCIENCE

IB BIOLOGY

Short Name

Course Code

IB BIOLOGY

130211

IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

BOTANY

Short Name

Course Code

BOTANY

130212

Botany courses provide students with an understanding of plants and their relationship to the environment. Topics of exploration may include: life cycles, taxonomy, plant genetics, plant physiology, and ecology.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

GENETICS

Short Name

Course Code

GENETICS

130213

Courses in genetics provide students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance. Additional topics may include: lethal alleles, epistasis and hypostasis, and polygenic inheritance.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

SCIENCE

MICROBIOLOGY

Short Name

Course Code

MICRO BIOL

130214

Microbiology courses provide students with a general understanding of microbes, prokaryotic, and eukaryotic cells. Topics of exploration may include classification of microorganisms; cellular structure and function; metabolic diversity; microbial genetics; control of microbial growth; microbial ecology, biotechnology and applied microbiology; and host-microbe interactions. Additional topics may include the impact microorganisms have on health, agriculture, biotechnology and the environment.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

ZOOLOGY

Short Name

Course Code

ZOOLOGY

130215

Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

CONCEPTUAL BIOLOGY

Short Name

Course Code

CNCPT BIOL

130216

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
MIDDLE GR/NATURAL SCIENCES	1819
SCIENCE	1301

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SCIENCE

PARTICULAR TOPICS IN BIOLOGY

<u>Short Name</u>	<u>Course Code</u>
TOPIC BIOL	130217

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as virology, cell biology, human genetics, and so on) that is not otherwise described within this classification system.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

BIOLOGY - OTHER

<u>Short Name</u>	<u>Course Code</u>
BIOL OTHER	130218

Biology courses not otherwise listed or classified.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

SCIENCE**PHYSICAL SCIENCE**Short NameCourse Code**PHYSIC SCI****130300**

Study of the major topics, concepts, processes and interrelationship of basic chemistry and physics. Students should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

CHEMISTRYShort NameCourse Code**CHEM****130301**

The study of the structure of atoms, structure and properties of matter, and chemical reactions. Student should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
SCIENCE	1301

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SCIENCE

CHEMISTRY-ADVANCED STUDIES

Short Name

Course Code

CHEM ADV

130302

A continuation of topics covered in Chemistry, with Chemistry as a prerequisite. Topics explored may include: organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry. Students should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
SCIENCE	1301

PHYSICS

Short Name

Course Code

PHYSICS

130303

The study of motions and forces, conservation of energy and increase in disorder, and interactions of energy and matter. Students should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

PRINCIPLES OF TECHNOLOGY I (SCIENCE)

Short Name

Course Code

PRTEC SCI

130304

Principles of Technology (Science) is an applied physics course designed to prepare students more effectively for technical careers. This course includes instruction and application of principles of physics such as force transformers, power, energy, resistance, rate, work, force, momentum, waves and vibrations, energy convertors, transducers, radiating optical systems, and time certificate with clear constants. Application of the principles is conducted in a laboratory setting which demonstrates the use of these principles by workers in technical occupations.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

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SCIENCE

PRINCIPLES OF TECHNOLOGY II (SCIENCE)	<u>Short Name</u> PRTEC SCII	<u>Course Code</u> 130306
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A continuation of the topics and concepts in Principles of Technology I, with Principles of Technology I as a prerequisite.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

PHYSICS-ADVANCED STUDIES	<u>Short Name</u> PHYS ADV	<u>Course Code</u> 130307
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Usually taken after a comprehensive initial study of physics, Physics-Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

IB CHEMISTRY	<u>Short Name</u> IB CHEM	<u>Course Code</u> 130308
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IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is an essential part of these courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
SCIENCE	1301

SCIENCE**CONCEPTUAL CHEMISTRY**Short Name
CNCPT CHEMCourse Code
130309

Conceptual Chemistry courses are practical, non-quantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
MIDDLE GR/NATURAL SCIENCES	1819
SCIENCE	1301

PARTICULAR TOPICS IN CHEMISTRYShort Name
PTOP CHEMCourse Code
130310

Particular Topics in Chemistry courses concentrate on a particular subtopic within the field of chemistry (such as chromatography and spectrometry) that is not otherwise described in this classification system.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
SCIENCE	1301

CHEMISTRY - OTHERShort Name
CHEM OTHERCourse Code
130311

Chemistry courses not otherwise listed or classifiable.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
SCIENCE	1301

SCIENCE

ASTRONOMY

Short Name

Course Code

ASTRON

130312

Astronomy courses introduce students to the basic laws of motion and gravity, the concepts of modern astronomy, and the methods scientists use to explore the universe. Additional topics of exploration may include: the solar system, the sun and stars, the Milky Way and other galaxies, and origins of the universe.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
SCIENCE	1301

EARTH AND SPACE SCIENCE

Short Name

Course Code

ES SCIENCE

130313

Earth and Space Science courses introduce student to the study of the earth from a local and global perspective. Common topics of exploration include: time zones, latitude and longitude, atmosphere, geosphere, weather, climate, and matter and energy transfer.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
SCIENCE	1301

PARTICULAR TOPICS IN EARTH SCIENCE

Short Name

Course Code

PTOP ESCI

130314

Particular Topics in Earth Science courses concentrate on a particular subtopic within the field of earth science (such as meteorology, natural disasters, physical geology, and others) that is not otherwise described in this course code system.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
SCIENCE	1301

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SCIENCE

EARTH SCIENCE - OTHER

<u>Short Name</u>	<u>Course Code</u>
ESCI OTHER	130315

Earth Science courses not otherwise listed or classified.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
SCIENCE	1301

MARINE SCIENCE

<u>Short Name</u>	<u>Course Code</u>
MARINE SCI	130316

Marine Science courses focus on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology. Additional topics may include: marine mining, farming, and exploration.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
EARTH AND SPACE SCIENCE	1305
SCIENCE	1301

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SCIENCE

FORENSIC SCIENCE

Short Name

Course Code

FORENSIC

130317

Forensic Science courses incorporate Biology, Chemistry, Physics, Earth Science disciplines and the process of science to the study of crimes. Topics of exploration may include: processing a crime scene, collecting and preserving evidence, physical evidence, organic and inorganic analysis of evidence, trace evidence, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
PHYSICS	1308
SCIENCE	1301

GEOSCIENCE

Short Name

Course Code

GEO SCI

130415

The study of energy in the earth systems, geochemical cycles, and origin and evolution of the earth system and universe. Students should develop the ability to think and act in ways associated with scientific inquiry.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
SCIENCE	1301

SCIENCE

IB PHYSICS

Short Name

Course Code

IB PHYSICS

130416

IB Physics courses prepare students to take the International Baccalaureate Physics exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the fundamental laws of nature and the interaction between concepts of matter, fields, waves, and energy. Laboratory experimentation is essential; calculus may be used in some courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

CONCEPTUAL PHYSICS

Short Name

Course Code

CNCPT PHYS

130417

Conceptual Physics courses introduce students to the use of chemicals, characteristic properties of materials, and simple mechanics to better describe the world and nonliving matter. The courses emphasize precise measurements and descriptive analysis of experimental results. Topics covered may include energy and motion, electricity, magnetism, heat, the structure of matter, and how matter reacts to materials and forces.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

PARTICULAR TOPICS IN PHYSICS

Short Name

Course Code

PTOPIC PHY

130418

Particular Topics in Physics courses concentrate on a particular subtopic within the field of physics (such as optics, thermodynamics, quantum physics, and so on) that is not otherwise described in this course code system.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

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SCIENCE

PHYSICS - OTHER

<u>Short Name</u>	<u>Course Code</u>
PHYS OTHER	130419

Physic courses not otherwise listed or classified.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

INTEGRATED SCIENCE

<u>Short Name</u>	<u>Course Code</u>
INTEG SCI	130420

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties - earth science, physical science, biology, chemistry, and physics - and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

SCIENCE

APPLIED BIOLOGY/CHEMISTRY

Short Name

Course Code

APPL BCHEM

130421

Applied Biology/Chemistry courses integrate biology and chemistry into a unified domain of study and present the resulting body of knowledge in the context of work, home, society, and the environment, emphasizing field and laboratory activities. Topics include natural resources, water, air and other gases, nutrition, disease and wellness, plant growth and reproduction, life processes, microorganisms, synthetic materials, waste and waste management, and the community of life.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
MIDDLE GR/NATURAL SCIENCES	1819
SCIENCE	1301

SCIENCE-MIDDLE GRADES/JR HIGH I

Short Name

Course Code

SCI MG I

130801

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

Use this code for the first course in science at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

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SCIENCE

SCIENCE-MIDDLE GRADES/JR HIGH II

Short Name

Course Code

SCI MG II

130802

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

Use this code for the second course in science at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

SCIENCE-MIDDLE GRADES/JR HIGH III

Short Name

Course Code

SCI MG III

130803

The study of topics from the biological, physical, and earth sciences. Learning experiences involve students in observing, exploring, discovering and experimenting for purposes of achieving understanding of how scientists work and what they know about the universe.

Use this code for the third course in science at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

SCIENCE

ADVANCED PLACEMENT BIOLOGY

Short Name
AP BIOLOGY

Course Code
135000

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. AP Biology should include those topics regularly covered in a college biology course for majors. The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students, and the time and effort required of students. The textbooks used for AP Biology should be those used by the college biology majors. The kinds of labs done by AP students must be the equivalent of those done by college students. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
SCIENCE	1301

ADVANCED PLACEMENT CHEMISTRY

Short Name
AP CHEM

Course Code
135010

The AP Chemistry course should be the equivalent of the general chemistry course usually taken during the first college year. Students should attain understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should develop the students' abilities to think clearly and express their ideas, orally & in writing, with clarity & logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of lab work done. Quantitative differences appear in the number of topics treated, the time spent on the course, and the nature and the variety of experiments done in the lab. Secondary schools that wish to offer an AP Chemistry course must be prepared to provide a lab experience equivalent to a typical college course.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
CHEMISTRY	1307
SCIENCE	1301

ADVANCED PLACEMENT PHYSICS

Short Name
AP PHYSICS

Course Code
135020

AP Physics courses are intended to be representative of courses commonly offered in college and universities, but they do not necessarily correspond precisely to courses at any particular institution. The aim of an AP secondary school course in physics should be to develop the students' ability to do the following: 1) read, understand and interpret physical information - verbal, mathematical and graphical, 2) describe and explain the sequence of steps in the analysis of a particular physical phenomenon or problem, 3) use basic mathematical in a physical situation or problem, and 4) perform experiments and interpret the results of observations, including making an assessment of experimental uncertainties. In the achievement of these goals, concentration on basic principles of physics and their applications through careful and selective treatment of well-chosen areas is more important than superficial and encyclopedic coverage of many detailed topics.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PHYSICS	1308
SCIENCE	1301

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SCIENCE

ADVANCED PLACEMENT PHYSICS 1: ALGEBRA-BASED

Short Name

Course Code

APPHYSICS1

135021

This course is an introductory college level, algebra-based, physics course and provides the foundation for future coursework in physics. Subjects such as Newtonian mechanics, (including rotational motion); work, energy and power; and other areas are covered. Instruction is based upon the Six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries. Twenty five percent of the instructional time is spent in a lab doing inquiry based investigations.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on the website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

SCIENCE

1301

ADVANCED PLACEMENT PHYSICS 2: ALGEBRA-BASED

Short Name

Course Code

APPHYSICS2

135022

This college level course explores additional upper level topics in physics, through inquiry based learning. The topics include but are not limited to fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; quantum, atomic and nuclear physics. Twenty five percent of the instructional time is based in a lab with an emphasis on inquiry based investigations.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on the website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

SCIENCE

1301

SCIENCE**SCIENCE, OTHER**Short NameCourse Code**SCI OTHER****139930**

Science courses not otherwise listed or classifiable.

Using codes 139930 through 139934 means you can add five "other" courses by using one code for each one of the five courses.

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

BIOLOGY	1303
CHEMISTRY	1307
EARTH AND SPACE SCIENCE	1305
MIDDLE GR/NATURAL SCIENCES	1819
PHYSICS	1308
SCIENCE	1301

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO THE BUILT ENVIRONMENT

<u>Short Name</u>	<u>Course Code</u>
INTBLD ENV	100100

This course provides the skills and technical knowledge for a beginning student in areas of industry, safety, material, equipment and process understanding. The student will develop awareness construction, design, and manufacturing areas. This course serves as an introductory course to material processing and drafting.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction and Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

PRINCIPLES OF CONSTRUCTION TECHNOLOGY

<u>Short Name</u>	<u>Course Code</u>
PRIN CONST	100110

This course provides an overview of the total construction process. Students will develop problem-solving and critical-thinking skills by identifying the relationship between resources and requirements of a project/problem to accomplish realistic planning.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED CONSTRUCTION TECHNOLOGY

<u>Short Name</u>	<u>Course Code</u>
ADV CONST	100120

This course is designed for the student pursuing a career as a construction professional. Technical skills are combined with planning and management topics to prepare the student for all stages of a project. This course explores opportunities and career pathways within the residential, commercial, and industrial sectors, and walks the student through the planning, execution, and reporting of a project.

Recommended Level: Grades 11-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ARCHITECTURE AND CONSTRUCTION

Short Name
ARCH/CONST

Course Code
100130

This course builds the skills necessary to understand what is being communicated through drawings and documents, and in turn, convey ideas, duties, and tasks to others in a form representing the industry. Students will use and follow industry specific verbal and visual skills to accomplish workplace/jobsite communications. Students will also integrate structural systems, environmental systems, safety systems, building envelope systems, and building service systems to design modern buildings. Students will review traditional project phases and various roles within them to plan for and implement phases within a project. Students will develop preliminary drawings in computer generated plans that will be used in design and pre-construction. Computer-aided drafting/design (CADD) may be used.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

COMPUTER AIDED DRAFTING

Short Name
CAD

Course Code
100140

This course provides students with a broad introduction into Computer-Aided-Drafting (CAD). With hands-on exercises, assignments and projects, students gain the capability to use CAD to model projects and create and distribute industry-standard drawings.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

APPLICATIONS IN DESGIN AND PRE-CONSTRUCTION

Short Name
APPDESIGN

Course Code
100141

In this class, the students will create residential architectural working drawings, using CAD, necessary for a standard building permit. With hands-on exercises, assignments and projects, students gain the capability to use CAD to model a house project and create and distribute industry-standard drawings.

Recommended Level: Grades 11-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES**PLTW PRINCIPLES OF ENGINEERING**Short NameCourse Code**PLTW P/ENG****100160**

Principles of Engineering (POE) is a Project Lead The Way survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have the opportunity to investigate engineering and high tech career. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

PLTW INTRODUCTION TO ENGINEERING DESIGNShort NameCourse Code**PLTW ENG****100161**

This course encourages students to use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve any problems, even outside of the classroom. Students use sophisticated three-dimension modeling software to communicate the details of these products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW CIVIL ENGINEERING AND ARCHITECTURE

<u>Short Name</u>	<u>Course Code</u>
PLTW CIVIL	100162

Civil Engineering and Architecture is a Project Lead The Way course that includes the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 10-12
 Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

PLTW ENGINEERING DESIGN AND DEVELOPMENT

<u>Short Name</u>	<u>Course Code</u>
PLTW ENG D	100163

Engineering Design and Development (EDD) is the capstone course in in the Project Lead The Way high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: 10-12
 Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARTH AND SPACE SCIENCE	1305
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

COURSE CODES AND CLEARING ENDORSEMENTS	Page 165	Revised June 2016
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SKILLED AND TECHNICAL SCIENCES

PLTW AEROSPACE ENGINEERING

Short Name

Course Code

PLTW AERO

100164

Aerospace Engineering (AE) is a Project Lead The Way course that includes the study of the engineering discipline which develops new technologies for use in aviation, defense systems, and space exploration. The course explores the evolution of flight, flight fundamentals, navigation and control, aerospace materials, propulsion, space travel, orbital mechanics, ergonomics, remotely operated systems and related careers. In addition the course presents alternative applications for aerospace engineering concepts.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

PLTW BIOTECHNICAL ENGINEERING

Short Name

Course Code

PLTW BIO

100165

Biotechnical Engineering (BE) is a Project Lead The Way course designed to expose students to the diverse fields of biotechnology including biomedical engineering, biomolecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems that can be accomplished in a high school setting related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology tissue engineering, biomedical devices, human interface, bioprocesses, forensics, and bio-ethics. Students in this course will apply biological and engineering concepts to design materials and processes that directly measure, repair, improve, and extending living systems.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 11-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

COURSE CODES AND CLEARING ENDORSEMENTS	Page 166	Revised June 2016
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SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ELECTRONICS

Short Name

Course Code

INT ELECT

100401

Electronics – Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED ELECTRONICS

Short Name

Course Code

ADV ELECT

100402

Advanced electronics theory and application. Circuitry diagnostics and the application and design of circuits using the principals of analog and digital electronics will be used.

Recommended Level: Grades 10-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW DIGITAL ELECTRONICS

Short Name

Course Code

PLTW DIG

100403

Digital Electronics (DE) is a Project Lead The Way course designed for the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 10-12

Career Cluster: Science, Technology, Engineering, and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

ELECTRICITY

Short Name

Course Code

ELECTRIC

100405

Comprehensive courses provide an overview of the theory, terminology, tools, and practical experience in the skills needed for a career in the electrical field. This course typically includes circuitry, safety, and the National Electrical Code. This course covers skills that are involved in building circuits, wiring residential, and commercial and/or industrial buildings. Installing lighting, power circuits, cables and estimating job costs may be included.

Recommended Level: Grades 9-12

Career Cluster: Architecture and Construction

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES**ENERGY EXPLORATION**Short NameCourse Code**ENERGY****100406**

Energy is essential to all aspects of society. This course will provide a unique approach to understanding energy and learning about the many, varied career opportunities in this field. Students enrolled in this course will engage in the study of energy basics and fundamentals, the production and delivery of energy, and energy responsibilities and decisions.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ENERGY GENERATION AND DISTRIBUTIONShort NameCourse Code**ENGENDIST****100407**

Introduction course covering the history of electric and fluid power in the U.S. including deregulation, private and public utilities, and methods of commercial power generation including fossil fuels, nuclear power and renewable energy generation. Include overview of electrical transmission and distribution systems. System reliability and governance are covered.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

GREEN ENERGYShort NameCourse Code**GREENENG****100408**

This course will provide a unique approach to understanding alternative, or "green" energy and learning about the many, varied career opportunities in this field. Students enrolled in this course will engage in the study of alternative or "green" energy fundamentals and innovative energy exploration for the future. The focus of the course will center on the business and careers in the alternative, or "green" energy field with respect to the wind energy technology, renewable bio-fuels and energy efficient "green" building technology.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

EXPLORING SKILLED AND TECHNICAL SCIENCE - 6TH GRADE

Short Name

Course Code

EXPLSTS6

100706

In this course students will explore fundamentals in Skilled and Technical Sciences at the 6th grade level.

Course Standards : (Please list)

Student will understand and accurately apply measurement.

Students will know and model safe lab procedures and techniques.

Students will be introduced to technical communications.

Students will experience skills needed to complete a project.

Student will explore career opportunities.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Course

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

EXPLORING SKILLED AND TECHNICAL SCIENCE - 7TH GRADE

Short Name

Course Code

EXPLSTS7

100707

In this course students will explore fundamentals in Skilled and Technical Sciences at the 7th grade level.

Course Standards : (Please list)

Student will understand and accurately apply measurement.

Students will know and model safe lab procedures and techniques.

Students will be introduced to technical communications.

Students will experience skills needed to complete a project.

Student will explore career opportunities.

Recommended Level: Middle/Junior High

Career Cluster: Foundation, Career Development and Career Education Introductory Course

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

EXPLORING SKILLED AND TECHNICAL SCIENCE - 8TH GRADE	<u>Short Name</u> EXPLSTS8	<u>Course Code</u> 100708
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In this course students will explore fundamentals in Skilled and Technical Sciences at the 8th grade level.
 Course Standards : (Please list)
 Student will understand and accurately apply measurement.
 Students will know and model safe lab procedures and techniques.
 Students will be introduced to technical communications.
 Students will recognize material types and properties.
 Students will demonstrate material processing.
 Students will select tools for the correct operation.
 Student will explore career opportunities.
 Recommended Level: Middle/Junior High
 Career Cluster: Foundation, Career Development and Career Education Introductory Courses

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MIDDLE GR/INDUSTRIAL TECH	1816
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - METALS	<u>Short Name</u> METAL WORK	<u>Course Code</u> 101400
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This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to metals manufacturing. Safety, measuring, planning and production processes will be covered.

 Recommended Level: Grades 9-12
 Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED FABRICATION AND MANUFACTURING - METALS	<u>Short Name</u> MFG/ADMETL	<u>Course Code</u> 101401
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A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning , machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

 Recommended Level: Grades 11-12
 Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

**INTRODUCTION TO ENERGY, POWER AND TRANSPORTATION
SYSTEMS**

<u>Short Name</u>	<u>Course Code</u>
INT TRANS	101600

This introductory course will provide the students with entry level knowledge and skills for further study in the Transportation, Distribution and Logistics cluster. The six forms of energy, power transmission, and modes of transportation will be introduced with several activities. A special emphasis will be placed on basic electricity and electronic theory and operation. Measurement systems used in TDL will also be included in this foundation course.

Recommended Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

EMERGING TECH IN TRANSPORTATION & LOGISTICS

<u>Short Name</u>	<u>Course Code</u>
EMTECHTL	101601

Emerging Technologies in Transportation and Logistics is a course that will introduce students to the application of technologies in the transportation and logistics industries. These areas will include: trucking industry, railroad industry, aviation industry, shipping industry, and various current and emerging transportation and logistics technologies.

Recommended Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

DISTRIBUTION AND LOGISTICS

<u>Short Name</u>	<u>Course Code</u>
DIST/LOG	101610

Distribution and Logistics is a study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include: product receiving and storage, order processing, packaging, shipping, inventory control, quality control, tracking operations, and material handling safety.

Recommended Level: Grades 9-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

TRANSPORTATION TECH SVCS & MAINT

Short Name
TRTECSERV

Course Code
101620

This second level semester course will expand on the basic concepts and systems utilized in the Transportation Industry. Modes of transportation, forms of energy, and power transmission will be addressed along with sub-systems of internal combustion engines. Tools, equipment, fasteners, safety and career exploration will be included in the course.

Recommended Level: Grades 10-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

AUTOMOTIVE & MOBILE EQUIP SERV & REPAIR

Short Name
AUTOSERV

Course Code
101630

This capstone semester course in Automotive and Mobile Equipment Repair and Service will build upon the previous knowledge of skills from the Mobile Equipment Program of Study. Advanced diagnostic and repair procedure will be addressed in each of the major systems of engine repair, i.e. Ignition, fuel, cooling, lubrication, electronics, drive train, suspension & chassis, brakes, and engine performance.

Recommended Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

AUTOMOTIVE BODY REPAIR AND REFINISHING

Short Name
AUTOREPAIR

Course Code
101640

Students will explore and be exposed to: Safety in the automotive workplace, careers and history in the automotive workplace, identifying damage to the vehicle, identifying tools and equipment needed for the repair, dent repair techniques, filler matters, sanding and abrasive tools as well as painting and refinishing process and techniques.

Recommended Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

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SKILLED AND TECHNICAL SCIENCES

BUSINESS LOGISTICS

Short Name

Course Code

BUSLOG

101650

Distribution and Logistics is a study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include: management of materials and physical distribution; transportation choices, regulation and rates; traffic management; product storage, warehousing, handling and packaging; inventory management; acquisition and production scheduling; order entry and processing; logistics systems design and operation; and international logistics.

Recommended Level: Grades 11-12

Career Cluster: Transportation, Distribution and Logistics

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BUSINESS, MARKETING, INFO TECH	0304
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

INTRODUCTION TO MECHATRONICS

Short Name

Course Code

INTERMECH

101900

This course prepares students for careers in manufacturing and for postsecondary education. The main focus is a core structure study in hydraulics, pneumatics, electrical, material testing, sensors, electric and pneumatic robot operations and an introduction to programmable logic controllers.

Recommended Level: Grades 9-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

PLTW COMPUTER INTEGRATED MANUFACTURING

<u>Short Name</u>	<u>Course Code</u>
PLTW MFG	101901

Computer Integrated Manufacturing (CIM) is a Project Lead The Way course designed to study manufacturing planning, integration and implementation of automation. The course explores manufacturing history. Individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality and efficiently.

Teacher/Instructor is required to complete PLTW teacher professional development in order to teach this course.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering & Mathematics (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
MATHEMATICS	1100
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - WOODS

<u>Short Name</u>	<u>Course Code</u>
MFG/WOODS	101920

This is a beginning level course in woods that introduces the student to basic knowledge and skills that are foundational to manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-11

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

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SKILLED AND TECHNICAL SCIENCES

ADVANCED FABRICATION AND MANUFACTURING - WOODS

Short Name
ADVFAB/WD

Course Code
101921

An advanced study of the processes used by modern industry using woods to manufacture consumer products. Safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - WELDING

Short Name
WELD

Course Code
101930

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to welding manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

ADVANCED FABRICATION AND MANUFACTURING - WELDING

Short Name

Course Code

AD WELD

101940

A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
AGRICULTURE	0100
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

MANUFACTURING - PLASTICS

Short Name

Course Code

MFG/PLAST

101950

This is a beginning level course that introduces the student to basic knowledge and skills that are foundational to plastic manufacturing. Safety, measuring, planning and production processes will be covered.

Recommended Level: Grades 9-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED FABRICATION AND MANUFACTURING - PLASTICS

Short Name

Course Code

MFG/ADPLAS

101951

A study of the processes used by modern industry to manufacture consumer products, safety, measurement, planning, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored.

Recommended Level: Grades 11-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

INTRODUCTION TO ENGINEERING

Short Name

Course Code

INTRO ENG

103191

Introduction to Engineering (IE) is an entry level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus is to expose students to design process, research and analysis, teamwork, communication methods, engineering standards, and technical documentation. IE gives students the opportunity to develop skills and understanding through activities, projects, and problem-based learning.

Recommended Level: Grades 9-10

Career Cluster: Science, Technology, Engineering and Math (STEMS)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ENGINEERING CONCEPTS

Short Name

Course Code

ENG CONCEP

103192

Engineering Concepts (EC) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech career opportunities which gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Math (STEMS)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

ENGINEERING APPLICATIONS

Short Name

Course Code

ENG APPL

103193

Engineering Applications is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, student will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution.

Recommended Level: Grades 11-12

Career Cluster: Science, Technology, Engineering and Math (STEMS)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

ROBOTICS

Short Name

Course Code

ROBOTICS

103194

Introduction of Robotics (IR) is designed to explore the current and future use of automation technology in industry and everyday use. Students will receive a comprehensive overview of robotic systems and the subsystems that comprise them while engaging with a robotics platform. This course is designed for students who have an interest in Science, Technology, Engineering, and Mathematics (STEM) robotics applications.

Recommended Level: Grades 9-12

Career Cluster: Science, Technology, Engineering and Math (STEM)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

ADVANCED ROBOTICS

Short Name

Course Code

ADV ROBOT

103195

Advanced Robotics is designed to be a continuation of the Robotics course and provide a capstone experience in a sequence of courses dealing with the current and future use of automation technology in industry. Students will continue the study and exploration of robotic systems and the subsystems that comprise them while engaging with a robotics platform. This course is designed for students who have an interest in Engineering and Manufacturing.

Recommended Level: Grades 11-12

Career Cluster: Energy and Engineering

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
PHYSICS	1308
SCIENCE	1301
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

SKILLED AND TECHNICAL SCIENCE, OTHER

<u>Short Name</u>	<u>Course Code</u>
STSOTHER	109930

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCE, OTHER

<u>Short Name</u>	<u>Course Code</u>
STSOTHER	109931

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCE, OTHER

<u>Short Name</u>	<u>Course Code</u>
STSOTHER	109932

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCES

SKILLED AND TECHNICAL SCIENCE, OTHER

<u>Short Name</u>	<u>Course Code</u>
STSOTHER	109933

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

SKILLED AND TECHNICAL SCIENCE, OTHER

<u>Short Name</u>	<u>Course Code</u>
STSOTHER	109934

SKILLED AND TECHNICAL SCIENCE courses not otherwise listed or classified. Please note courses coded in this area do not count toward an approved Nebraska Career Education program of study.

Recommended Level: Grades 7-12

Career Cluster: Manufacturing

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
INDUSTRIAL TECH EDUCATION	1000
SKILLED & TECHNICAL SCIENCE ED	1700

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SOCIAL SCIENCE/SOCIAL STUDIES

SOCIAL STUDIES-MIDDLE GRADES/JR HIGH I	<u>Short Name</u> SOC MG I	<u>Course Code</u> 150011
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The study of curriculum and experiences from one or all of the following: history, geography, economics, citizenship, government, cultural studies, and current events.

Use this code for the first course in Social Studies at the middle grades/junior high.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

SOCIAL STUDIES-MIDDLE GRADES/JR HIGH II	<u>Short Name</u> SOC MG II	<u>Course Code</u> 150012
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The study of curriculum and experiences from one or all of the following: history, geography, economics, citizenship, government, cultural studies, and current events.

Use this code for the second course in Social Studies at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

SOCIAL STUDIES-MIDDLE GRADES/JR HIGH III

Short Name

Course Code

SOC MG III

150013

The study of curriculum and experiences from one or all of the following; history, geography, economics, citizenship, government, cultural studies, and current events.

Use this code for the third course in Social Studies at the middle grades/junior high level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

ANTHROPOLOGY

Short Name

Course Code

ANTHROPOL

150100

The study of people and their worlds in which attention is focused on the relations between people and their culture in the past and present and their ongoing cultural development, and the varieties of human, social and cultural forms.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
HISTORY	1505
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

CULTURAL/ETHNIC STUDIES	<u>Short Name</u> CULT/ETH	<u>Course Code</u> 150104
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The study of the cultural development and relationships between or among ethnic groups and their impact on the larger culture.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
HISTORY	1505
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

GEOGRAPHY	<u>Short Name</u> GEOGRAPHY	<u>Course Code</u> 150700
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The study of spatial relations and processes on the earth's surface studied on a variety of scales ranging from local to world-wide.

This code should also be used for such geography courses as:

- Human
- Physical
- World
- North America
- South America
- Nebraska
- Other

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

ADVANCED PLACEMENT GEOGRAPHY

Short Name

Course Code

AP GEOG

150750

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
GEOGRAPHY	1504
HISTORY	1505
SOCIAL SCIENCE	1501

WORLD HISTORY

Short Name

Course Code

WORLD HIST

150800

The study of the history of events, individuals, groups, institutions, artifacts, ideas and other phenomena associated with the entire world. The course typically includes a historical overview of political, military, scientific, and social developments. The course should also include historical analysis, comprehension and research skills.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

ADVANCED PLACEMENT WORLD HISTORY

<u>Short Name</u> AP HISTW	<u>Course Code</u> 150805
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The purpose of AP World History course is to develop greater understanding of the evolution of global processes and contracts in different types of human societies.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
SOCIAL SCIENCE	1501

ADVANCED PLACEMENT EUROPEAN HISTORY

<u>Short Name</u> AP HISTEU	<u>Course Code</u> 150806
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The purpose of AP European History since 1450 is to introduce students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
SOCIAL SCIENCE	1501

NEBRASKA HISTORY

<u>Short Name</u> NEBR HIST	<u>Course Code</u> 150810
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The study of the history of events, individuals, groups, institutions, artifacts, ideas and other phenomena associated with Nebraska.

This code should also be used for such courses as:
Great Plains History

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

AMERICAN HISTORY

Short Name

Course Code

AMER HIST

150820

The study of the history of events, individual groups, institutions, artifacts, ideas and other phenomena associated with the United States. The course typically includes a historical overview of political, military, scientific, and social developments. The course should also include historical analysis, comprehension and research skills.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
SOCIAL SCIENCE	1501

ADVANCED PLACEMENT US HISTORY

Short Name

Course Code

AP HIST US

150830

The purpose of the AP program in United States History is to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United State History.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
SOCIAL SCIENCE	1501

SOCIAL SCIENCE/SOCIAL STUDIES

HUMANITIES

Short Name

Course Code

HUMANITIES

150900

The advanced study of a group of related subjects such as literature, art, music, religion, history, philosophy, and classical and modern languages, with aspects of social science/social studies forming the core; concerned with individual cultural achievements and values in society.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
ENGLISH	0501
HISTORY	1505
MUSIC	1201
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501

ECONOMICS

Short Name

Course Code

ECONOMICS

151000

Economics is a course designed to help students make decisions and understand economic principles as applied to current events and issues. Emphasis includes allocation of resources, economic systems, economic institutions and incentives, markets and prices, market structures, productivity, role of government, global economic concepts, and economic indicators.

Recommended Level: Grades 11-12

Career Cluster: Finance

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BASIC BUSINESS	0301
BUSINESS, MARKETING, INFO TECH	0304
ECONOMICS	1503
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

POLITICAL SCIENCE

<u>Short Name</u>	<u>Course Code</u>
POLISCIENC	151100

The study of governments and political behavior.

- This code could also be used for such courses as:
- Comparative Governments
 - Political Parties and Public Opinion
 - Other

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

MODERN PROBLEMS

<u>Short Name</u>	<u>Course Code</u>
MOD PROBS	151103

An advanced course dealing with the analysis of economic, social, political, cultural, and other issues which influence the economic, social, political, and cultural change and development of modern societies, specifically American society.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

AMERICAN GOVERNMENT

Short Name
AMER GVNMT Course Code
151110

This course provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. The course examines how people govern themselves at the national, state and local level.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

ADVANCED PLACEMENT GOVERNMENT

Short Name
AP GOV Course Code
151113

The purpose of the AP course in United States Government and Politics is to give students an analytical perspective on government and politics in the United States.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

CIVICS

Short Name

Course Code

CIVICS

151114

Courses which develop understanding and attitudes that encourage people to participate in civic affairs and to understand their rights and responsibilities as citizens.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

INTERNATIONAL RELATIONS

Short Name

Course Code

INTL RELAT

151120

The study of agencies, operations and principles involved in communication and interaction among nations, with emphasis typically given to relations among governments.

This code should also be used for such courses as:

- Global Studies
- Global Conflict

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

PSYCHOLOGY

<u>Short Name</u>	<u>Course Code</u>
PSYCHOLOGY	151200

The study of human behavior and mental processes.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PSYCHOLOGY	1508
SCHOOL COUNSELOR	2501
SOCIAL SCIENCE	1501

ADVANCED PLACEMENT PSYCHOLOGY

<u>Short Name</u>	<u>Course Code</u>
AP PSYCHOL	151210

The purpose of AP Psychology course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PSYCHOLOGY	1508
SOCIAL SCIENCE	1501

SOCIOLOGY

<u>Short Name</u>	<u>Course Code</u>
SOCIOLOGY	151300

The study of the structure, functions, and various forms of human society.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

SOCIAL SCIENCE/SOCIAL STUDIES

RELIGION I

<u>Short Name</u>	<u>Course Code</u>
RELIGION I	151301

The investigation of religious beliefs and statements; the study of religious organizations and churches and their functions in society. Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01.

This code should be used for such courses as:
Philosophy of Religion

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
RELIGIOUS EDUCATION	1506

RELIGION II

<u>Short Name</u>	<u>Course Code</u>
RELIGIONII	151302

Nonpublic schools offering advanced religion courses may develop an appropriate course description.

Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
RELIGIOUS EDUCATION	1506

RELIGION III

<u>Short Name</u>	<u>Course Code</u>
RELIG III	151303

Nonpublic schools offering advanced religion courses may develop an appropriate course description.

Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
RELIGIOUS EDUCATION	1506

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SOCIAL SCIENCE/SOCIAL STUDIES

RELIGION IV

Short Name

Course Code

RELIGIONIV

151304

Nonpublic schools offering advanced religion courses may develop an appropriate course description.

Religion classes in nonpublic schools which are not counted as a part of the school offering SHOULD NOT BE ENTERED. See 92NAC 10-003.01

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

RELIGIOUS EDUCATION

1506

HOLOCAUST HISTORY

Short Name

Course Code

HOL HIST

152000

This high school level course about the Holocaust, its roots and implications seek to explore the historical events before, during and after the Holocaust and to examine this history as a watershed event with lessons and implications for humanity and contemporary society.

PREREQUISITE: None

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

HISTORY

1505

SOCIAL SCIENCE

1501

IB HISTORY

Short Name

Course Code

IB HIST

152001

IB History courses prepare students to take the International Baccalaureate History exams at either the Subsidiary or Higher level. In these courses, students study political, military, economic, social, and cultural trends and explore the nature of historical documentation and the methods used by historians. IB History courses survey 20th-century topics in an international context; provide a detailed regional study of a major area (Africa, Europe, the Americas, West and South Asia, East and Southeast Asia, or Australia); and enable students to undertake individual study on a subject of interest in greater detail and depth.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

HISTORY

1505

SOCIAL SCIENCE

1501

SOCIAL SCIENCE/SOCIAL STUDIES

IB PSYCHOLOGY

Short Name

Course Code

IB PSYCHOL

152002

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at either the Subsidiary or Higher level. Course content includes developmental and social psychology, cognition and learning, and personality subject areas, which are approached from biological/physiological, behavioral, and humanistic points of view. These courses may include a study of research design and statistics and involve practical work in psychological research.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
PSYCHOLOGY	1508
SOCIAL SCIENCE	1501

IB THEORY OF KNOWLEDGE

Short Name

Course Code

IB TOK

152003

Obligatory for every International Baccalaureate degree candidate, IB Theory of Knowledge courses aim to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, and history, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

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SOCIAL SCIENCE/SOCIAL STUDIES

SOCIAL SCIENCE, OTHER

Short Name

Course Code

SOC OTHER

159930

Social Science courses not listed or classifiable under the above codes.

Course codes for Criminal Justice, AP Microeconomics, and AP Macroeconomics are found within Career Education course listings.

--- Criminal Justice is listed under LAW, PUBLIC SAFETY AND SECURITY.

--- Advanced Placement Microeconomics and Advanced Placement Macroeconomics are listed under BUSINESS, MARKETING AND MANAGEMENT.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

SOCIAL SCIENCE, OTHER

Short Name

Course Code

SOC OTHER

159931

Social Science courses not listed or classifiable under the above codes.

Course codes for Criminal Justice, AP Microeconomics, and AP Macroeconomics are found within Career Education course listings.

--- Criminal Justice is listed under LAW, PUBLIC SAFETY AND SECURITY.

--- Advanced Placement Microeconomics and Advanced Placement Macroeconomics are listed under BUSINESS, MARKETING AND MANAGEMENT.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

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SOCIAL SCIENCE/SOCIAL STUDIES

SOCIAL SCIENCE, OTHER

Short Name

Course Code

SOC OTHER

159932

Social Science courses not listed or classifiable under the above codes.

Course codes for Criminal Justice, AP Microeconomics, and AP Macroeconomics are found within Career Education course listings.

--- Criminal Justice is listed under LAW, PUBLIC SAFETY AND SECURITY.

--- Advanced Placement Microeconomics and Advanced Placement Macroeconomics are listed under BUSINESS, MARKETING AND MANAGEMENT.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

SOCIAL SCIENCE, OTHER

Short Name

Course Code

SOC OTHER

159932

Social Science courses not listed or classifiable under the above codes.

Course codes for Criminal Justice, AP Microeconomics, and AP Macroeconomics are found within Career Education course listings.

--- Criminal Justice is listed under LAW, PUBLIC SAFETY AND SECURITY.

--- Advanced Placement Microeconomics and Advanced Placement Macroeconomics are listed under BUSINESS, MARKETING AND MANAGEMENT.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

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SOCIAL SCIENCE/SOCIAL STUDIES

SOCIAL SCIENCE, OTHER

Short Name

Course Code

SOC OTHER

159934

Social Science courses not listed or classifiable under the above codes.

Course codes for Criminal Justice, AP Microeconomics, and AP Macroeconomics are found within Career Education course listings.

--- Criminal Justice is listed under LAW, PUBLIC SAFETY AND SECURITY.

--- Advanced Placement Microeconomics and Advanced Placement Macroeconomics are listed under BUSINESS, MARKETING AND MANAGEMENT.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ANTHROPOLOGY	1502
ECONOMICS	1503
GEOGRAPHY	1504
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
POLITICAL SCIENCE	1507
RELIGIOUS EDUCATION	1506
SOCIAL SCIENCE	1501
SOCIOLOGY	1509

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WORLD LANGUAGE

WORLD LANGUAGE LATIN I

Short Name

Course Code

LATIN I

060105

This beginning course includes the study of the language, literature and culture of the Roman world. Students will be able to understand familiar words, interpret very simple sentences and respond appropriately to simple questions, statements, and commands. Students will be able to read and write words, phrases and simple sentences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE-LATIN	0603

WORLD LANGUAGE LATIN II

Short Name

Course Code

LATIN II

060106

This course includes a more complex study of the language, literature and culture of the Roman world. Students will be able to understand phrases, sentences and commonly used vocabulary, interpret content, and recognize the main point of simple texts. Students will be able to read and interpret the meaning of short, simple texts and can communicate comprehension of prose and poetry by responding and writing answers to questions and statements. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-LATIN	0603

ADVANCED PLACEMENT LATIN VERGIL

Short Name

Course Code

AP LATIN

060107

The aims of the AP Latin: Vergil course are in general conformity with college Latin studies in the fourth through sixth semesters. As in all such courses at this level, the basic objective is progress in reading, translating, understanding, analyzing, and interpreting Latin. In the course, as in the parallel courses at colleges, students are expected to be able to translate accurately from Latin into English the poetry they are reading and to demonstrate a grasp of grammatical structures and vocabulary.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-LATIN	0603

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WORLD LANGUAGE

LATIN III

Short Name

Course Code

LATIN III

060108

This course builds students' knowledge of the Latin language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Latin texts.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-LATIN

0603

LATIN IV

Short Name

Course Code

LATIN IV

060109

This course builds upon the content explored in Latin III. This course continues to build students' knowledge of the Latin language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Latin texts.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-LATIN

0603

WORLD LANGUAGE FRENCH I

Short Name

Course Code

FRENCH I

060221

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE

1814

WORLD LANGUAGE-FRENCH

0601

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WORLD LANGUAGE

WORLD LANGUAGE FRENCH II

Short Name

Course Code

FRENCH II

060222

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

WORLD LANGUAGE FRENCH III

Short Name

Course Code

FRENCH III

060223

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

WORLD LANGUAGE FRENCH IV

Short Name

Course Code

FRENCH IV

060224

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

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WORLD LANGUAGE

WORLD LANGUAGE FRENCH V

Short Name

FRENCH V

Course Code

060225

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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WORLD LANGUAGE-FRENCH

0601

ADVANCED PLACEMENT FRENCH AND CULTURE

Short Name

AP FRENCH

Course Code

060226

The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. This course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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WORLD LANGUAGE-FRENCH

0601

IB LANGUAGE A - FRENCH

Short Name

IB FRENCHA

Course Code

060227

This French course prepares students to take the Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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WORLD LANGUAGE-FRENCH

0601

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WORLD LANGUAGE

IB LANGUAGE B - FRENCH

Short Name

Course Code

IB FRENCHB

060228

This French course prepares students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Student prepare to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level will be able to communicate fluently at native speed.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-FRENCH

0601

WORLD LANGUAGE GERMAN I

Short Name

Course Code

GERMAN I

060231

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE

1814

WORLD LANGUAGE-GERMAN

0602

WORLD LANGUAGE GERMAN II

Short Name

Course Code

GERMAN II

060232

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

WORLD LANGUAGE

WORLD LANGUAGE GERMAN III

Short Name

Course Code

GERMAN III

060233

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

WORLD LANGUAGE GERMAN IV

Short Name

Course Code

GERMAN IV

060234

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

WORLD LANGUAGE GERMAN V

Short Name

Course Code

GERMAN V

060235

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-GERMAN

0602

WORLD LANGUAGE

ADVANCED PLACEMENT GERMAN AND CULTURE

Short Name
AP GERMAN

Course Code
060236

The AP German Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary use, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. This course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language. The course engages students in an exploration of culture in both contemporary and historical contexts.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-GERMAN	0602

IB LANGUAGE A - GERMAN

Short Name
IB GERMANA

Course Code
060237

This German course prepares students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-GERMAN	0602

IB LANGUAGE B - GERMAN

Short Name
IB GERMANB

Course Code
060238

This German course prepares students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-GERMAN	0602

WORLD LANGUAGE

WORLD LANGUAGE SPANISH I

Short Name

Course Code

SPANISH I

060241

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE SPANISH II

Short Name

Course Code

SPANISH II

060242

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE SPANISH III

Short Name

Course Code

SPANISHIII

060243

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-SPANISH	0604

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WORLD LANGUAGE

WORLD LANGUAGE SPANISH IV

Short Name

Course Code

SPANISH IV

060244

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

WORLD LANGUAGE SPANISH V

Short Name

Course Code

SPANISH V

060245

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

ADVANCED PLACEMENT SPANISH AND CULTURE

Short Name

Course Code

AP SPANISH

060246

The AP Spanish course should help prepare students to demonstrate their level of Spanish proficiency across three communicative models (Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication]), and the five goal areas outlined in the Standards for Foreign Language Learning in the 21st Century (Communication, Cultures, Connections, Comparisons and Communities). The course is meant to be comparable to third year (fifth or sixth semester) college and university courses that focus on speaking and writing in the target language at an advanced level.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

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WORLD LANGUAGE

IB LANGUAGE A - SPANISH

Short Name

Course Code

IB SPAN A

060247

This Spanish course prepares students to take the Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

IB LANGUAGE B - SPANISH

Short Name

Course Code

IB SPAN B

060248

This Spanish course prepares students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

SPANISH FOR NATIVE SPEAKERS I

Short Name

Course Code

SPAN NS I

060249

This two semester course supports, reinforces, and expands students' knowledge of their own tongue. Spanish for Native Speakers courses move faster than do traditional Spanish foreign language courses and emphasize expansion of academic language, development of literacy skills, and exploration of culture and history of Spanish speaking people and nations of the world.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

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WORLD LANGUAGE

SPANISH FOR NATIVE SPEAKERS II

Short Name

SPAN NS II

Course Code

060250

This course builds upon the content explored in Spanish for Native Speakers I. This two semester course continues to support, reinforce, and expand students' knowledge of their own tongue. Spanish for Native Speakers courses move faster than do traditional Spanish foreign language courses and emphasize expansion of academic language, development of literacy skills, and exploration of culture and history of Spanish speaking people and nations of the world.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-SPANISH

0604

WORLD LANGUAGE JAPANESE I

Short Name

JAPANESE I

Course Code

060251

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

MIDDLE GR/WORLD LANGUAGE

1814

WORLD LANGUAGE-JAPANESE

0607

WORLD LANGUAGE JAPANESE II

Short Name

JAPANESEII

Course Code

060252

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-JAPANESE

0607

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WORLD LANGUAGE

ADVANCED PLACEMENT JAPANESE AND CULTURE

Short Name

Course Code

APJAPANESE

060253

The AP Japanese Language and Culture course is designed to be comparable to college/university Japanese courses that represent the point at which students complete approximately 300 hours of college-level classroom instruction. Like the corresponding college courses, the AP course supports students as they develop the productive, receptive, and cultural skills necessary to communicate with native speakers of Japanese. Students' proficiency levels at the end of the course are expected to reach at least the Intermediate Low to Intermediate Mid range, as described in the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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WORLD LANGUAGE-JAPANESE

0607

WORLD LANGUAGE RUSSIAN I

Short Name

Course Code

RUSSIAN I

060261

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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MIDDLE GR/WORLD LANGUAGE

1814

WORLD LANGUAGE-RUSSIAN

0606

WORLD LANGUAGE RUSSIAN II

Short Name

Course Code

RUSSIAN II

060262

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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WORLD LANGUAGE-RUSSIAN

0606

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WORLD LANGUAGE

WORLD LANGUAGE CHINESE I

Short Name

CHINESE I

Course Code

060271

This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE-CHINESE	0608

WORLD LANGUAGE CHINESE II

Short Name

CHINESE II

Course Code

060272

This course enables student to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-CHINESE	0608

WORLD LANGUAGE CHINESE III

Short Name

CHINESEIII

Course Code

060273

This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-CHINESE	0608

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WORLD LANGUAGE

WORLD LANGUAGE CHINESE IV

Short Name

Course Code

CHINESE IV

060274

This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

WORLD LANGUAGE CHINESE V

Short Name

Course Code

CHINESE V

060275

This course enables students to more clearly understand extended speech and follow more complex lines of conversations on a variety of topics. Students will be able to understand the majority of television programs and films with standard language. They can understand longer and more complex factual and literary texts. Students will be able to express themselves more fluently and spontaneously, use language flexibly and effectively for social and professional purposes, and formulate ideas and opinions. Students can present clear, detailed descriptions of a variety of subjects developing particular points and formulating an appropriate conclusion. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

ADVANCED PLACEMENT CHINESE AND CULTURE

Short Name

Course Code

AP CHINESE

060276

The AP Chinese Language and Culture course is designed to be comparable to fourth semester (or the equivalent) college/university courses in Mandarin Chinese. These college courses, which deepen students' immersion into the language and culture of the Chinese-speaking world, typically represent the point at which students approximately 250 hours of college-level classroom instruction. Course work provides students with opportunities to perform Intermediate- to Advanced-level tasks, and students are expected to achieve proficiencies throughout, and sometimes beyond, the Intermediate range, as described in the American Council on the Teaching of Foreign Languages (AFTFL) Proficiency Guidelines.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on their website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

WORLD LANGUAGE-CHINESE

0608

WORLD LANGUAGE

AMERICAN SIGN LANGUAGE I

Short Name

Course Code

AM SIGN I

064100

This beginning course includes American Sign Language (ASL) instruction and Deaf culture awareness components. Students will be able to understand and interpret basic American Sign Language on a variety of everyday, school and family topics. They will be able to follow and give simple directions and instructions, exchange essential information and negotiate the signing environment using a few polite behaviors and basic nonmanual cues in very limited situations. This course should help students begin to develop cultural understanding and demonstrate practices appropriate to the culture in which ASL is used.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613

AMERICAN SIGN LANGUAGE II

Short Name

Course Code

AM SIGN II

064101

This course enables students to express and comprehend basic information while interacting in ASL. Students will be able to engage in conversations, express feelings and emotions, and exchange opinions on personal and school experiences. Using ASL students can ask and respond to familiar questions for clarification. They will be able to interact in groups to develop and propose solutions to issues and problems related to the school or community. This course should help students understand basic cultural practices of Deaf culture and begin to use a few simple cultural practices and customs.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613

AMERICAN SIGN LANGUAGE III

Short Name

Course Code

AM SIGNIII

064102

This course enables students to understand main points in a conversation on familiar topics about school, leisure, work, etc. Students will be able to exchange, support, and discuss their opinions and individual perspectives on a variety of familiar topics. Using ASL they will be able to discuss current or past events that are significant in the Deaf culture or being studied in another subject. Students can compare basic similarities and differences between Deaf culture and other cultures. This course should help students demonstrate cultural understanding of practices, products, and perspectives appropriate to the culture in which ASL is used.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613

WORLD LANGUAGE

AMERICAN SIGN LANGUAGE IV

Short Name

Course Code

AM SIGN IV

064103

This course enables students to understand extended conversations, provided the topic is familiar. Students will be able to understand and interpret American Sign Language in a variety of real-life situations on everyday topics. They will be able to comprehend main ideas and some supporting details from simple announcements, narratives, and conversations in familiar situations on everyday topics. Students can actively participate in American Sign Language related events in schools and communities by using ASL. This course should help students demonstrate understanding of the nature of ASL and its culture through comparisons of their own language and culture.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613

LANGUAGE SURVEY

Short Name

Course Code

LAN SURVEY

065000

These are exploratory courses that introduce the student to the language and culture of people from several different major world language groups. This course may also be called Foreign Language Exploratory (FLEX) or Introduction to Foreign Language.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
	1207
BILINGUAL EDUCATION	0609
ENGLISH	0501
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
SOCIAL SCIENCE	1501
WORLD LANGUAGE	0699
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE

WORLD LANGUAGE, OTHER

Short Name
F LANG OTH

Course Code
069930

Foreign language courses not otherwise listed or classifiable.

Using codes 069930 through 069934 means you can add five "other" courses by using one code for each one of the five courses.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE

WORLD LANGUAGE, OTHER

Short Name
F LANG OTH

Course Code
069931

Foreign language courses not otherwise listed or classifiable.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE

WORLD LANGUAGE, OTHER

Short Name
F LANG OTH

Course Code
069932

Foreign language courses not otherwise listed or classifiable.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE

WORLD LANGUAGE, OTHER

Short Name
F LANG OTH

Course Code
069933

Foreign language courses not otherwise listed or classifiable.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

WORLD LANGUAGE

WORLD LANGUAGE, OTHER

Short Name
F LANG OTH

Course Code
069934

Foreign language courses not otherwise listed or classifiable.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BILINGUAL EDUCATION	0609
ENGLISH AS 2ND LANG	0605
MIDDLE GR/WORLD LANGUAGE	1814
WORLD LANGUAGE	0699
WORLD LANGUAGE-ASL	0612
WORLD LANGUAGE-ASL SUPP	0613
WORLD LANGUAGE-CHINESE	0608
WORLD LANGUAGE-FRENCH	0601
WORLD LANGUAGE-GERMAN	0602
WORLD LANGUAGE-ITALIAN	0610
WORLD LANGUAGE-JAPANESE	0607
WORLD LANGUAGE-KOREAN	0611
WORLD LANGUAGE-LATIN	0603
WORLD LANGUAGE-RUSSIAN	0606
WORLD LANGUAGE-SPANISH	0604

TITLE I CURRICULUM

TITLE I READING

Short Name

Course Code

TI I READ

250101

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs. Similar to Reading (050102) except that the class is conducted under the auspices of Title I requirements and is supplemental in nature.

This code should be used only for classes operating under the auspices of Title I.

ELEMENTARY endorsement clears this course regardless of the level of the endorsement or the grade at which the course is taught.

MIDDLE GRADES endorsement clears this course for grades 4 - 12.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED INCLUSION/COLLAB SPC SUBJ	1906

TITLE I CURRICULUM

TITLE I MATHEMATICS

Short Name

Course Code

TI I MATH

250102

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs. Similar to Arithmetic (110201) except that the class is conducted under the auspices of Title I requirements and is supplemental in nature.

This code should be used only for classes operating under the auspices of Title I.

ELEMENTARY endorsement clears this course regardless of the level of the endorsement or the grade at which the course is taught.

MIDDLE GRADES endorsement clears this course for grades 4 - 12.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED INCLUSION/COLLAB SPC SUBJ	1906

TITLE I EXTENDED KINDERGARTEN

Short Name

Course Code

TI I EXKDG

250103

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs.

A supplemental program which precedes the more formal instructional program in the elementary grades. The Title I kindergarten program may provide a background of supplemental concrete experiences in the basic skills.

This code should be used only for classes operating under the auspices of Title I.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
SPED EARLY CHLDHOOD	1916

TITLE I CURRICULUM

TITLE I LANGUAGE ARTS

<u>Short Name</u>	<u>Course Code</u>
TI I LANG	250104

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs. Similar to Language Arts (050001) except that the class is conducted under the auspices of Title I requirements and is supplemental in nature.

This code should be used only for classes operating under the auspices of Title I.

ELEMENTARY and READING endorsements clears this course regardless of the level of the endorsement or the grade at which the course is taught.

MIDDLE GRADES endorsement clears this course for grades 4 - 12.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED INCLUSION/COLLAB SPC SUBJ	1906

TITLE I PREKINDERGARTEN

<u>Short Name</u>	<u>Course Code</u>
TI I PK	250105

Most staff teaching Title I courses will be coded as Teacher-Collaborator (position assignment code 1180). These staff will not be included in the Student Grades Template for their Title I assignment. These Title I courses and endorsements are guidance for school districts when assigning staff to work in Title I Programs.

An early childhood program (for eligible children) which precedes kindergarten. The Title I prekindergarten program provides a background of developmentally appropriate experiences to assist children in their language and concept development. Parental involvement is a key aspect of such programs for young children.

This code should be used only for classes operated under the auspices of Title I.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
SPED EARLY CHLDHOOD	1916

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MISCELLANEOUS CURRICULUM

JROTC (Junior Reserve Officers Training Corp)

<u>Short Name</u>	<u>Course Code</u>
JROTC	230101

The purpose of JROTC is "to instill in students in [United States] middle and secondary educational institutions the values of citizenship, service to the United States, and personal responsibility and a sense of accomplishment". Additional objectives are established by the service departments of the Department of Defense. Under 542.4 of Title 32 (National Defense) of the Code of Federal Regulations, the objectives for each grade are: *Developing good citizenship and patriotism, *Developing self-reliance, leadership, and responsiveness to constituted authority, *Improving the ability to communicate well both orally and in writing, *Developing an appreciation of the importance of physical fitness, *Increasing a respect for the role of the U.S. Armed Forces in support of national objectives, *Developing knowledge of team building skills and basic military skills. JROTC follows a prescribed curriculum that helps cadets develop life-long leadership and decision making. The curriculum supports the school's mission and mandates by integrating technology, linking content to state standards, integrating reading and writing, and providing character and financial education.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ROTC	2200

STUDENT AIDE

<u>Short Name</u>	<u>Course Code</u>
STUDNTAIDE	230800

The Student Aide program is offered for students who are working in certain areas of the school operation; for example, office worker, library assistant, or teacher assistant.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
Other Endorsement	8888

ADVANCED PLACEMENT SEMINAR

<u>Short Name</u>	<u>Course Code</u>
APSEMINAR	230801

This rigorous college level course provides students the opportunity to research a real world problem and look at the problem through a variety of lenses. Students will explore the problem through multiple lenses and make connections to their own lives. A primary goal is for students to understand the complexity of a topic by examining a variety of and divergent or competing perspectives. Instructors shall encourage students to approach a topic from these viewpoints: culture and social, artistic and philosophical, political and historical, environmental, economic and scientific.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on the website: www.collegeboard.com.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

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MISCELLANEOUS CURRICULUM

ADVANCED PLACEMENT RESEARCH

<u>Short Name</u>	<u>Course Code</u>
APRESEARCH	230802

This rigorous college level course allows students to design, plan and conduct research on a topic of their interest. The project is a year in length and the students are required to demonstrate they are capable of researching current real-world concepts. Students are expected to explore novel ideas or approaches to complex issues; access information using effective strategies; evaluating the relevance and credibility of information as well as demonstrating perseverance, goal setting, managing time, and working independently.

This course is governed by the AP College Board. Individual teachers are required to have approval of syllabus and course materials by the College Board prior to offering the course. Topics are defined by the College Board located on the website: www.collegeboard.com.

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

HIGH ABILITY EDUCATION**HIGH ABILITY EDUCATION**Short Name**HIGH AB ED**Course Code**300100**

Subject matter and experiences designed for individuals identified by professionally qualified personnel as being capable of high performance in one or more areas of special competence. Among these areas of special competence are creativity, leadership ability, social adeptness, and training in fine arts education.

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

Endorsement NameEndorsement Number

OTHER ENDORSEMENT

8888

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ENGLISH AS A SECOND LANGUAGE

ENGLISH AS A SECOND LANGUAGE

Short Name

Course Code

ESL

310010

A special course designed to teach the English language to non-or limited English speaking students. The goals of ESL instruction are: 1) to provide students with the English language skills appropriate to their grade level as rapidly as possible; 2) to orient students to the culture patterns of American life so they can participate fully in the classroom, the school, and the community; 3) to develop students' awareness of cultural diversity and to encourage pride in their own bilingualism and biculturalism; and 4) to enable students to make as much progress in their academic subjects as English speaking students make by providing them with supplementary materials, instruction, and tutoring in their primary language.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

Other Endorsement

8888

ESL OR DUAL LANGUAGE ARTS-ELEMENTARY

Short Name

Course Code

ESL LAN E

310050

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in the area of language arts, including the full range of language experiences i.e., oral, listening, reading and writing skills. This course is designed for students whose instructional level is at the elementary level (grades K-8).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

Endorsement Name

Endorsement Number

EARLY CHILD INCLUSIVE

1804

EARLY CHILDHOOD EDUCATION

1802

EARLY CHILDHOOD EDUCATION

1830

ELEMENTARY

1801

MIDDLE GRADES

1803

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ENGLISH AS A SECOND LANGUAGE

ESL OR DUAL LANGUAGE ARTS-SECONDARY

Short Name

Course Code

ESL LAN S

310051

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in the area of language arts, including the full range of language experiences i.e., oral, listening, reading and writing skills. This course is designed for students whose instructional level is at the secondary level (grades 9-12).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803

BILINGUAL/ENGLISH AS A DUAL LANGUAGE

Short Name

Course Code

ESL DUAL

310101

A special course that makes instructional use of both English and the students' native language to enable the student to develop and attain English proficiency and earn academic content credit.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
OTHER ENDORSEMENT	8888

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ENGLISH AS A SECOND LANGUAGE

ESL OR DUAL LANGUAGE MATHEMATICS-ELEMENTARY

Short Name

Course Code

ESL MATH E

310110

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in mathematics. This course is designed for students whose instructional level is at the elementary level (grades K-8).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

ESL OR DUAL LANGUAGE MATHEMATICS-SECONDARY

Short Name

Course Code

ESL MATH S

310111

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in mathematics for students whose instructional level is grades 9-12.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

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ENGLISH AS A SECOND LANGUAGE

ESL OR DUAL LANGUAGE SCIENCE-ELEMENTARY	<u>Short Name</u> ESL SCI E	<u>Course Code</u> 310130
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in science for students whose instructional level is at the elementary level (grades K-8).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803

ESL OR DUAL LANGUAGE SCIENCE-SECONDARY	<u>Short Name</u> ESL SCI S	<u>Course Code</u> 310131
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in science for students whose instructional level is at the secondary level (grades 9-12).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803
SCIENCE	1301

COURSE CODES AND CLEARING ENDORSEMENTS	Page 229	Revised June 2016
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ENGLISH AS A SECOND LANGUAGE

ESL OR DUAL LANGUAGE SOCIAL STUDIES-ELEMENTARY	<u>Short Name</u> ESL SOC E	<u>Course Code</u> 310150
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in social studies for students whose instructional level is at the elementary level (grades K-8).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803

ESL OR DUAL LANGUAGE SOCIAL STUDIES-SECONDARY	<u>Short Name</u> ESL SOC S	<u>Course Code</u> 310151
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A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in social studies for students whose instructional level is at the secondary level (grades 9-12).

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803
SOCIAL SCIENCE	1501

COURSE CODES AND CLEARING ENDORSEMENTS	Page 230	Revised June 2016
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SUPPLEMENTAL CURRICULUM

SUPPLEMENTAL READING

Short Name

Course Code

SUPP READ

290101

Similar to Title I Reading (250101) except that the class is locally funded and the class is designed to meet the special needs of educationally disadvantaged children. The children must receive services of the same nature and scope as those provided under Title I.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508
SECONDARY ENGLISH	0512
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED INCLUSION/COLLAB SPC SUBJ	1906

SUPPLEMENTAL CURRICULUM**SUPPLEMENTAL MATHEMATICS**Short NameCourse Code**SUPP MATH****290102**

Similar to Title I Mathematics (250102) except that the class is locally funded and the class is designed to meet with special needs of educationally disadvantaged children. The children must receive services of the same nature and scope as those provided under Title I.

Clearing Endorsement - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED INCLUSION/COLLAB SPC SUBJ	1906

SPECIAL EDUCATION

SPECIAL EDUCATION ART-K-12 (PAC 1161)

Short Name

Course Code

SE ART

190215

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter and experiences for students with disabilities in the areas of art processes, media and appreciation. It may include experiences in two or three-dimensional work, or new and emerging media. This course code is to be used for all art classes modified and designed specifically for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.,

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
ELEMENTARY	1801
GENERAL ART	0201
MIDDLE GR/ART	1811
MIDDLE GRADES	1803

SPECIAL EDUCATION ART-(PAC 1162)

Short Name

Course Code

SEART AL

190230

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experiences in the areas of art processes, media and appreciation. It may include experiences in two or three dimensional work, or new and emerging media. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code,

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ART	0200
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
GENERAL ART	0201
MIDDLE GR/ART	1811
MIDDLE GRADES	1803

COURSE CODES AND CLEARING ENDORSEMENTS	Page 233	Revised June 2016
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SPECIAL EDUCATION

SPECIAL EDUCATION LANGUAGE ARTS -K-12 (PAC1161)

Short Name

Course Code

SE LNG

190515

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide students with disabilities subject matter and experience in the area of language arts, including the full range of language experiences i.e. reading, writing, speaking and listening skills for students with disabilities. This course code is to be used for all language arts classes modified and designed specifically for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code,

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508

SPECIAL EDUCATION LANGUAGE ARTS-(PAC 1162)

Short Name

Course Code

SE LNG AL

190530

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experience in the area of language arts, including the full range of language experiences i.e. oral, listening, reading and writing skills. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
ENGLISH	0501
ENGLISH LANGUAGE ARTS	0502
MIDDLE GR/LANGUAGE ARTS	1817
MIDDLE GRADES	1803
READ AND WRITING	0511
READ AND WRITING	0521
READING SPECIALIST	0508

SPECIAL EDUCATION

SPECIAL EDUCATION MATHEMATICS-K-12 (PAC 1161)

Short Name

Course Code

SE MATH

191115

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide the skills and understanding associated with number processes and developing mathematical skills for students with disabilities. Students have the opportunity to apply the math concepts to personal finance, business and money management situations. This course is to be used for all math classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

SPECIAL EDUCATION MATHEMATICS - (PAC 1162)

Short Name

Course Code

SE MATH AL

191130

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities the skills and habits associated with understanding number processes and developing basic mathematical skills. Students have the opportunity to apply the math concepts to money management situations. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MATHEMATICS	1100
MIDDLE GR/MATHEMATICS	1818
MIDDLE GRADES	1803

SPECIAL EDUCATION

SPECIAL EDUCATION MUSIC-K-12 (PAC 1161)

Short Name

Course Code

SE MUS

191215

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter and experiences for students with disabilities in the areas of vocal music, instrumental music, performance, and music appreciation. This course code is to be used for all music classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
INSTRUMENTAL MUSIC	1202
MUSIC	1201
VOCAL MUSIC	1203

SPECIAL EDUCATION MUSIC-(PAC 1162)

Short Name

Course Code

SE MUS AL

191230

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experiences in the areas of vocal music, instrumental music, performance, and music appreciation. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
INSTRUMENTAL MUSIC	1202
MIDDLE GRADES	1803
MUSIC	1201
VOCAL MUSIC	1203

SPECIAL EDUCATION

SPECIAL EDUCATION SCIENCE-K-12 (PAC 1161)

Short Name
SE SCI

Course Code
191315

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter and experiences in the areas of biology, physical and earth sciences for students with disabilities. This course code is to be used for all science classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BIOLOGY	1303
EARTH AND SPACE SCIENCE	1305
ELEMENTARY	1801
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803
SCIENCE	1301

SPECIAL EDUCATION SCIENCE-(PAC 1162)

Short Name
SE SCI AL

Course Code
191330

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter and experiences in the areas of biology, physical and earth sciences. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MIDDLE GR/NATURAL SCIENCES	1819
MIDDLE GRADES	1803
SCIENCE	1301

SPECIAL EDUCATION

SPECIAL EDUCATION SOCIAL STUDIES-K-12 (PAC 1161)

Short Name

Course Code

SE SOC

191515

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide subject matter dealing with the elements and structures of human society which may include economics, geography, history, citizenship, government and other social studies related disciplines for students with disabilities. This course code is to be used for all social studies classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ELEMENTARY	1801
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803
POLITICAL SCIENCE	1507
SOCIAL SCIENCE	1501

SPECIAL EDUCATION SOCIAL STUDIES-(PAC 1162)

Short Name

Course Code

SE SOC AL

191530

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide students with significant cognitive disabilities subject matter dealing with the elements and structures of human society which may include economics, geography, history, citizenship and other social studies related disciplines. This course is designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
HISTORY	1505
MIDDLE GR/SOCIAL SCIENCE	1820
MIDDLE GRADES	1803
SOCIAL SCIENCE	1501

SPECIAL EDUCATION

SPECIAL ED FUNCTIONAL SKILLS AND ACTIVITIES (PAC 1162)	<u>Short Name</u> SE FUNCT	<u>Course Code</u> 192000
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** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1162**

RESPONSIBLE FOR TEACHING SPECIAL EDUCATION STUDENTS WITH THE MOST SIGNIFICANT COGNITIVE DISABILITIES, THOSE STUDENTS WHO PARTICIPATE IN A FUNCTIONAL, LIFE-SKILLS CURRICULUM. STUDENTS PARTICIPATE IN A THE SPECIAL EDUCATION ALTERNATE ASSESSMENT BASED ON SPECIAL EDUCATION ALTERNATE STANDARDS.

A special course designed to provide the opportunity to acquire survival skills and habits necessary in daily living for students with disabilities. This course code is to be used for all functional skill and activity classes modified and designed for elementary and/or secondary students whose instructional level does not exceed 8th grade. Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BEHAVIOR DISORDERED	1905
DEAF OR HARD OF HEARING/SUBJCT	1901
EARLY CHILD INCLUSIVE	1804
SEC TRANSITION SPECIALIST	2502
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED FUNCT ACAD SKILLS/IND LIV	1914
SPED INCLUSION/COLLAB SPC SUBJ	1906
SPEECH-LANGUAGE PATH	1908
VISUAL IMPAIRMENT	1902
VOC SPECIAL NEEDS	2305

COURSE CODES AND CLEARING ENDORSEMENTS	Page 239	Revised June 2016
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SPECIAL EDUCATION

SPECIAL EDUCATION INDEPENDENT LIVING-K-12 (PAC 1161)

<u>Short Name</u>	<u>Course Code</u>
SE IND LV	192015

** NDE CURRICULUM REPORT FOR SPECIAL EDUCATION TEACHERS - POSITION ASSIGNMENT CODE (PAC) 1161**

RESPONSIBLE FOR INSTRUCTION OF SPECIAL EDUCATION ELEMENTARY AND/OR SECONDARY STUDENTS AND SERVE AS TEACHERS WHO ARE SOLELY RESPONSIBLE FOR DELIVERING ACADEMIC CONTENT AND ASSIGNING GRADE(S). THE STUDENTS PARTICIPATE IN A MODIFICATION OF GENERAL CURRICULUM AT AN INSTRUCTIONAL LEVEL BELOW THEIR GENERAL EDUCATION PEERS.

A special course designed to provide the opportunity to acquire effective independent living, self advocacy and survival skills with a focus on interconnection of family, career and community for students with disabilities. This course code is to be used for all independent living classes modified and designed for students with disabilities and is appropriate regardless of grade level (K-12). Report actual grade level for "grade taught" code.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
BEHAVIOR DISORDERED	1905
DEAF OR HARD OF HEARING/SUBJCT	1901
EARLY CHILD INCLUSIVE	1804
SEC TRANSITION SPECIALIST	2502
SPECIAL EDUCATION	1913
SPED EARLY CHLDHOOD	1916
SPED FUNCT ACAD SKILLS/IND LIV	1914
SPED INCLUSION/COLLAB SPC SUBJ	1906
SPEECH-LANGUAGE PATH	1908
VISUAL IMPAIRMENT	1902
VOC SPECIAL NEEDS	2305

PHYSICAL EDUCATION, ADAPTIVE

<u>Short Name</u>	<u>Course Code</u>
ADAPTPE	193000

A diversified program of developmental activities, games, sports, and rhythms suited to the interest, capacities and limitations of students who may not safely or successfully engage in unrestricted participation in the activities of the general physical education program.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
ADAPTED PHYS ED	0805

SPECIAL EDUCATION

SPECIAL EDUCATION IN-HOME SETTING

<u>Short Name</u>	<u>Course Code</u>
HBSPED	194000

Responsible for teaching/coaching parents and families of young children with disabilities birth to kindergarten eligible entrance age in the child's home.

A course designed to provide the opportunity for young children and their families to acquire knowledge and skills to support the child's activities in home and community settings. See course code 180005 for Non-Sped Home-based Program if course is for non-special ed.

GRADES PRE-K

See endorsements below, if staff reported are Primary Service Providers (selected from the IEP or IFSP team), any additional special education endorsements or licensure will clear this course. If the staff has an Early Childhood (1802 and/or 1830) endorsement, they must also have a special education endorsement.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1830
SPED EARLY CHLDHOOD	1916
SPED EARLY INTRVNTN SPEC	1922

SPECIAL EDUCATION STUDY SKILLS

<u>Short Name</u>	<u>Course Code</u>
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THIS COURSE OFFERING FOR STUDENTS WITH DISABILITIES,

USE COURSE CODE 260300 (STUDY SKILLS) FOUND ON PAGE 110 OF "COURSE CODES AND CLEARING ENDORSEMENTS" UNDER PERSONAL DEVELOPMENT.

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
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SELF-CONTAINED CLASSROOM

SELF-CONTAINED CLASSROOM

Short Name

Course Code

SELF-C

180000

A group of students under the primary direction of one teacher for a majority of the school day and for a majority of the subject-matter areas of the curriculum.

This code may be used at grade levels PK-8 only.

GRADES PRE-K-8

Early Childhood Education (Pre-3)

Elementary (K-8)

Middle Grades (4-9)

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
ELEMENTARY	1801
MIDDLE GRADES	1803
SPED EARLY CHLDHOOD	1916
SPED EARLY INTRVNTN SPEC	1922

HOME-BASED PROGRAM (NON SPED)

Short Name

Course Code

HBNSPED

180005

Type of early childhood program that specifically provides home visiting services to children birth to kindergarten eligible entrance age. These services are primarily delivered in the home of the family.

A course designed to provide the opportunity for young children and their families to acquire knowledge and skills to support the child's development and active participation in the family's everyday routines and activities in home and community settings. See course code 194000 for Special Education In Home setting.

GRADES PRE-K

Clearing Endorsement - - - Endorsement Level must be in accord with student grade level:

<u>Endorsement Name</u>	<u>Endorsement Number</u>
EARLY CHILD INCLUSIVE	1804
EARLY CHILDHOOD EDUCATION	1802
EARLY CHILDHOOD EDUCATION	1830
SPED EARLY CHLDHOOD	1916
SPED EARLY INTRVNTN SPEC	1922

Course Codes and Clearing Endorsements - Change Summary**Version 7.0.0****June 8, 2016**

**Numerous changes have been made to course descriptions and clearing endorsements.
Please check carefully before assigning a course code.**

1. Course Codes Removed

077700 - Clinical Nutrition (please refer to new code 077702 – Human Life Cycle Nutrition)

090001 – Exploratory Family and Consumer Sciences

090002 – Introduction to Family and Consumer Sciences

090003 – FCS and Career Essentials

139931 – 139934 – Science, Other (139930 - Science, Other is still available)

230601 – Spanish for Native Speakers (please refer to 2 new codes available:

060249 – Spanish For Native Speakers I

060250 – Spanish For Native Speakers II

2. New Course Codes

050052 - IB Language A – (English)

060108 - Latin III

060109 - Latin IV

060227 - IB Language A - French

060228 - IB Language B – French

060237 - IB Language A - German

060238 - IB Language B - German

060247 - IB Language A - Spanish

060248 - IB Language B - Spanish

060249 - Spanish for Native Speakers I

060250 - Spanish for Native Speakers II

077201 - PLTW Medical Detectives

077446 - Phlebotomy Technician

077702 - Human Life Cycle Nutrition

077801 - Behavioral Health I

077802 - Behavioral Health II

077803 - PLTW Principles of Biomedical Science I

077804 - PLTW Principles of Biomedical Science II

077805 - PLTW Human Body Systems I

077806 - PLTW Human Body Systems II

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077807 - PTLW Medical Interventions I
077808 - PTLW Medical Interventions II
077809 - PTLW Biomedical Innovation I
077810 - PTLW Biomedical Innovation II
077812 - Health Information Management and Ethics
090005 - Family and Consumer Sciences 6
090006 - Family and Consumer Sciences 7
090007 - Family and Consumer Sciences 8
110623 - IB Mathematical Studies
110624 - IB Mathematics
110625 - IB Further Mathematics - SL
110626 - IB Mathematics & Computing - SL
130195 – Advanced Robotics
130211 - IB Biology
130212 - Botany
130213 - Genetics
130214 - Micro Biology
130215 - Zoology
130216 - Conceptual Biology
130217 - Particular Topics In Biology
130218 - Biology - Other
130308 - IB Chemistry
130309 - Conceptual Chemistry
130310 - Particular Topics In Chemistry
130311 - Chemistry - Other
130312 - Astronomy
130313 - Earth and Space Science
130314 - Particular Topics in Earth Science
130315 - Earth Science - Other
130316 - Marine Science
130317 - Forensic Science
130416 - IB Physics
130417 - Conceptual Physics
130418 - Particular Topics in Physics
130419 - Physics - Other
130420 - Integrated Science
130421 – Applied Biology/Chemistry
152000 - Holocaust History
152001 - IB History
152002 - IB Psychology
152003 - IB Theory of Knowledge

COURSE CODES AND CLEARING ENDORSEMENTS

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270702 - Advanced Placement Computer Science Principles
320701 - Work-based Learning/Coop/DO Experience

3. Course Codes with Name Changes

060246 - changed to: Advanced Placement Spanish and Culture
(was: Advanced Placement Spanish)
077300 - changed to: Health Sciences I
(was: Introduction to Health Sciences)
077301 - changed to: Health Sciences II
(was: Advanced Health Sciences)
077302 - changed to: Health Sciences II
(was: Health Sciences Careers)
077700 - changed to: Human Life Cycle
(was: Clinical Nutrition)
090206 - changed to: Fashion Design and Marketing
(was: Fashion Design)
130201 - changed to: Biology
(was: Biology I)
130202 - changed to: Biology – Advanced Studies
(was: Biology II)
130301 - changed to: Chemistry
(was: Chemistry I)
130303 - changed to: Physics
(was: Physics I)
320700 - changed to: Work-Based Learning/COOP/DO Class
(was: Work-Based Learning/COOP/DO)

4. Course Description changes

060246 - Advanced Placement Spanish & Culture
077402 - Emergency Medical Technician
100160 - PLTW Principles of Engineering
100161 - PLTW Introduction to Engineering Design
100162 - PLTW Civil Engineering Design
100163 - PLTW Engineering Design and Development
100164 - PLTW Aerospace Engineering
100165 - PLTW Biotechnical Engineering
100403 - PLTW Digital Engineering
101901 – PLTW Computer Integrated Manufacturing
130202 - Biology – Advanced Studies (was previously Biology II)

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130302 - Chemistry – Advanced Studies
130307 - Physics – Advanced Studies
150800 - World History
150820 - American History
151110 - American Government
320700 – Work-Based Learning/Coop/DO Class

5. Endorsements code name changes

0700 – New: Health Sciences (Previous: Health Occupations)

6. Endorsement s codes have been added for the following course codes

Health Sciences area and Skilled and Technical Sciences area have had multiple changes for courses – Please review each course carefully for changes.

270608 – Introduction to Media – 0304, 2701
270609 – Medical Production I – 0304, 2701
270610 – Media Production II – 0304, 2701

Version 6.0.0

July 22, 2015

**Numerous changes have been made to course descriptions and clearing endorsements.
Please check carefully before assigning a course code.**

1. Course Codes Removed

270701 – Advanced Placement Computer Science B
320500 – Exploration of Business and Entrepreneurship
Removed from: Career Education Foundational & Specialty
Still available as 032350 under Business, Marketing and Management

2. New Course Codes

011013 – Agricultural Biology
032604 – College Entrepreneurship Financial Topics
032605 – College Entrepreneurship Business Plan
038502 – College Macroeconomics
038503 – College Microeconomics
077444 – Pharmacy Fundamental
077601 – Exercise Science
077701 – Sport Nutrition

COURSE CODES AND CLEARING ENDORSEMENTS

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077900 – Allied Health and Medicine
110622 – College Technical Mathematics
320300 – Engage! Career Exploration and Readiness

3. Course Codes with Name Changes

077300 – changed to: Introduction to Health Sciences
(was: Introduction to Health Science)
077301 – changed to: Advanced Health Sciences
(was: Advanced Health Science)
077302 – changed to: Health Sciences Careers
(was: Health Science Careers)
077402 – changed to: Emergency Medical Tech
(was: Emergency Medical Tech – Basic)

4. Endorsements have been changed for the following course codes

320100 – Middle School Career Development
Remove: 8888
Add: 0100, 0301, 0304, 0903, 1000, 1810, 1812, 1813, 1816, 2501
320101 – High School Career Development
Remove: 8888
Add: 0100, 0301, 0304, 0903, 1000, 1810, 1812, 1813, 1816, 2501
032300 – Entrepreneurship
Add: 0304
032600 – College Introduction to Entrepreneurship
Add: 0304
090116 – Relationships
Remove: 1813
190530 – Special Education Language Arts – (PAC 1162)
Add: 0501, 0502, 0511, 0521
191130 – Special Education Mathematics – (PAC 1162)
Add: 1100
191330 – Special Education Science – (PAC 1162)
Add: 1301
191530 – Special Education Social Studies – (PAC 1162)
Add: 1501 and 1505

Version 5.0.0

April 9, 2014

**Numerous changes have been made to course descriptions and clearing endorsements.
Please check carefully before assigning a course code.**

COURSE CODES AND CLEARING ENDORSEMENTS

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1. **Course codes removed:**

012000 – Horticulture
100131 – Introduction to Architecture Technology
100150 – Restoration and Repair of Existing Structure
100404 – Electricity in the Construction Industry
100500 – Technology Education
100501 – Gateway to Technology
100503 – Principles of Technology
100800 – Principles of Maintenance and Operations
101910 – Advanced Mechatronics
103170 – PLTW Computer Integrated Manufacturing

2. **New Course Codes:**

016004 – Welding
018049 – Environmental Science
100402 – Advanced Electronics
270701 – Advanced Placement Computer Science B
135021 – Advanced Placement Physics 1: Algebra-Based
135022 – Advanced Placement Physics 2: Algebra-Based
230801 – Advanced Placement Research
230802 – Advanced Placement Seminar

3. **Course Codes with Name Changes:**

011007 – changed to – **Plant Science/Horticulture**
(was Plant Science)
017000 – changed to – **Leadership & Ethics in Agriculture**
(was Leadership)
018080 – changed to – **FNS: Food Production, Nutrition and Health**
(was PFT, Food Production, Nutrition and Health)
018081 – changed to – **FNS: Food Science**
(was PFT, Food Science)
018082 – changed to – **FNS: Nutrition Science**
(was PFT, Nutrition Science)
018083 – changed to – **FNS: Food and Nutrition Science, Research and Development**
(was PFT, Food and Nutrition Science, Research and Development)
090103 – changed to – **Textiles, Construction and Design**
(was Textiles Foundations)
090208 – changed to – **Leadership and Ethics in Human Services**
(was Community and Career Leadership)
100110 – changed to – **Principals of Construction Technology**
(was Principles of Construction)
100120 – changed to – **Advanced Construction Technology**

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(was Advanced Construction)

100130 – changed to – **Introduction to Architecture and Construction**

(was Language of Architecture and Construction (CADD))

100141 – changed to – **Applications in Design and Pre-Construction**

(was Computer Aided Drafting)

100401 – changed to – **Introduction to Electronics**

(was Electronics-Comprehensive)

100405 – changed to – **Electricity**

(was Electricity-Comprehensive)

101600 – changed to – **Introduction to Energy, Power and Transportation Systems**

(was Intro-Transportation, Distribution and Logistics)

103191 – changed to – **Introduction to Engineering**

(was Introduction of Engineering)

103194 – changed to – **Robotics**

(was Robotics 1)

270505- changed to – **CISCO I: Introduction to Networks**

(was CISCO I: IT Essentials – PC Hardware and Software)

270506 – changed to – **CISCO II: Routing and Switching Essentials**

(was CISCO II: CCNA Discovery)

270507 – changed to – **CISCO III: Scaling Networks**

(was CISCO III: CCNA Exploration)

4. **Endorsement Name Changes:**

0510 – JOURNALISM AND MEDIA EDUCATION (was JOURN AND MASS COMM)

0502 – ENGLISH LANGUAGE ARTS (was LANGUAGE ARTS)

1301 – SCIENCE (was NATURAL SCIENCE)

1804 – EARLY CHILDHOOD INCLUSIVE (was EARLY CHILD UNIFIED)

1913 – SPECIAL EDUCATION (was MILD/MODERATE DISABILITIES)

1916 – SPED EARLY CHILDHOOD (was EARLY CHILDHOOD SPEC ED)

8888 – OTHER ENDORSEMENTS (Where “Other Endorsements” appear, replace with “OTHER ENDORSEMENTS”
(formatting/consistency)

5. **Endorsement Codes Removed:**

0303 – GENERAL OFFICE EDUC

0504 – SPEECH AND THEATRE

1302 – GENERAL SCIENCE

1304 – PHYSICAL SCIENCE

1310 – SCIENCE

1900 – PRE-SCHOOL HDCP

1915 – PRE-SCHOOL DISABILITIES

2301 – LANGUAGE-SOC SCI

6. **NEW Endorsement Codes:**

0512 – Secondary English

COURSE CODES AND CLEARING ENDORSEMENTS	Revised June 2016
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1830 – Early Childhood Education (1802 is also still active until phased out)

0520 – Journalism and Media Education (0510 is also still active until phased out)

0521 – Read and Writing (0511 is also still active until phased out)

0522 – Speech (0506 is also still active until phased out)

0523 – Theatre (1204 is also still active until phased out)

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Version 4.0.0

March 19, 2013

1. Course codes removed:

- 210101 – Drivers Ed – Behind the Wheel
- 210102 – Drivers Ed – Classroom Instruction

2. Subject area removed:

Title I – All courses under this subject area have been removed.

3. New Course Codes:

Agriculture, Food and Natural Resources (01):

- 018060 – CASE Introduction to Agriculture, Food & Natural Resources
- 018061 – CASE Plant Science
- 018602 – CASE Animal Science
- 018063 – CASE Animal & Plant Biotechnology
- 018080 – PFT Food Production, Nutrition and Health
- 018081 – PFT Food Science
- 018082 – PFT Nutrition Science
- 018083 – PFT Food and Nutrition Science, Research and Development

Visual and Performing Arts (ART) (02):

- 020503 – AP Art History

Human Services/FCS (09):

- 090101 – Introduction to Human Science/FCS
- 090207 – The Business of Textiles

Driver Education/Safety Education (21)

- 210105 – Driver Education

Communication & Information Systems (27)

- 270505 – CISCO I: IT Essentials-PC Hardware and Software
- 270506 - CISCO II: CCNA Discovery
- 270507 – CISCO III: CCNA Exploration

4. Endorsements Removed:

- 2510 – School Nurse from all courses under Subject Area Health Science.
- 0503 - Journalism

Version 3.1.1

April 20, 2012

Endorsement number has been corrected on Course Code 060236 AP German & Culture.

Correct endorsement number is 0602 (not 1915)

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Version 3.1

February 27, 2012

Endorsements have been added to the following course codes:

<u>038500</u> Advanced Placement Macroeconomics	1501	Social Science
<u>038501</u> Advanced Placement Microeconomics	1501	Social Science
<u>270700</u> Advanced Placement Computer Science A	0304	Business, Marketing, Info Tech
<u>150750</u> Advanced Placement Geography	1501	Social Science
<u>150805</u> Advanced Placement World History	1501	Social Science
<u>150806</u> Advanced Placement European History	1501	Social Science
<u>150830</u> Advanced Placement US History	1501	Social Science
<u>151210</u> Advanced Placement Psychology	1501	Social Science

Version 3.0

August 17, 2011

**Numerous changes have been made to course descriptions and clearing endorsements.
Please check carefully before assigning a course code.**

1. General information

- a. Certificate/Endorsement Levels

2. General Information

- a. For Provisional Certificates
- b. Middle Grades (change)
- c. Elementary (added new)

3. New Subject Areas and Course Codes in those areas

Education and Training (35)

- 350001 - Introduction to Education
- 350010 - Experiencing Teaching
- 350015 - Early Childhood Education I
- 350020 - Early Childhood Education II
- 359930 – 359934 - Education and Training, Other

Hospitality and Tourism (37)

- 370010 - Hospitality and Tourism
- 370015 - Food Service Management I
- 370020 - Food Service Management II
- 379930 – 379934 – Hospitality and Tourism, Other

Law, Public Safety and Security (39)

- 390010 - Foundation of Law, Public Safety, Corrections and Security
- 390015 - Introduction to Criminal Justice

COURSE CODES AND CLEARING ENDORSEMENTS

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- 390020 - Introduction to Fire & Emergency Services
- 390025 - Courts and Judicial Process
- 399930 – 399934 – Law, Public Safety and Security, Other

4. New Course Codes

Agriculture, Food and Natural Resources (01)

- 018050 – Advanced Placement Environmental Science

Visual & Performing Arts (Art) - (02)

- 020500 – Advanced Placement Studio Art: 2D Design
- 020501 – Advanced Placement Studio Art: 3D Design
- 020502 – Advanced Placement Studio Art: Drawing

Business, Marketing and Management (03)

- 038500 – Advanced Placement Macroeconomics
- 038501 – Advanced Placement Microeconomics

English Language Arts (05)

- 050050 – Advanced Placement English Language & Composition
- 050051 – Advanced Placement English Literature & Composition
- 050315 – Advanced Placement Spanish Literature

World Language (06)

- 060107 – Advanced Placement Latin: Vergil
- 060226 – Advanced Placement French & Culture
- 060236 – Advanced Placement German & Culture
- 060246 – Advanced Placement Spanish Language
- 060253 – Advanced Placement Japanese & Culture
- 060276 – Advanced Placement Chinese & Culture

Health Science (07)

- 077302 – Advanced Studies in Health Science
- 077303 – Personal and Community Medical Issues
- 077304 – Exploring the Clinical Lab
- 077401 – Medication Aide
- 077402 – Emergency Medical Tech – Basic
- 077800 - Health Information Technology

Skilled and Technical Science (10)

- 100407 – Energy Generation and Distribution
- 100706 – Exploring Skilled and Technical Science – 6th Grade
- 100707 - Exploring Skilled and Technical Science – 7th Grade
- 100708 - Exploring Skilled and Technical Science – 8th Grade
- 101601 - Emerging Technologies in Transportation and Logistics
- 101650 - Business Logistics
- 101951 - Adv Fabrication & Mfg – Plastics

COURSE CODES AND CLEARING ENDORSEMENTS

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Mathematics (11)

- 110620 - Advanced Placement Calculus AB
- 110621 - Advanced Placement Calculus BC
- 111720 - Advanced Placement Statistics

Visual & Performing Arts (Music) (12)

- 120700 - Advanced Placement Music Theory

Natural Sciences (13)

- 135000 - Advanced Placement Biology
- 135010 - Advanced Placement Chemistry
- 135020 - Advanced Placement Physics

Social Sciences/Social Studies (15)

- 150750 - Advanced Placement Geography
- 150805 - Advanced Placement World History
- 150806 - Advanced Placement European History
- 150830 - Advanced Placement US History
- 151113 - Advanced Placement Government
- 151210 - Advanced Placement Psychology

Self-Contained Classroom (18)

- 180005 - Home-Based Program (non-Sped)

Special Education (19)

- 194000 - Special Education In-Home Setting

Communication & Information Systems (27)

- 270700 - Advanced Placement Computer Science A

Career Education, Foundational & Specialty (32)

- 329930 – 329934 - Career Education, Foundational & Specialty, OTHER

5. Course Codes Removed:

- 011001 – Comprehensive Agriculture/Natural Resources Animal Science
- 011002 – Comprehensive Plant and Soil Science
- 011003 – Comprehensive Agribusiness/Farm Management
- 013003 – Science of Earth Systems
- 013004 – Environmental Science
- 013005 – Ecology of Agriculture
- 014002 – Biotechnology in Food Products and Processing Systems
- 015000 – Agricultural Business Management
- 016004 – Agricultural Mechanics and Technology
- 035000 – Food Service Management I
- 035001 – Food Service management II
- 038300 – Hospitality and Tourism
- 090119 – Early Childhood Education I
- 090120 – Early Childhood Education II
- 090300 – Careers in Education

COURSE CODES AND CLEARING ENDORSEMENTS

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090310 – Experiencing Teaching
090400 – Law, Public Safety and Security
090410 – Introduction to Criminal Justice
090500 – Introduction to Fire and Emergency Services
100700 – Exploring Industrial, Manufacturing & Engineering Systems

Version 2.0

August 11, 2010

1. Added new Course Codes:
 - a. 230101 – JROTC
 - b. 320101 – HS Learning, Earning and Living Skills
2. Removed Course Code:
 - a. 230100 – ROTC
3. Subject Area Change:
 - a. Foreign Language changed to World Language
4. Endorsement Changes in Subject Areas:
 - a. Business, Marketing and Management
 - b. Career Education Foundational and Specialty
 - c. Industrial, Manufacturing and Engineering Systems