Consumer Math Course Rationale/Overview
Financial literacy is essential in meeting the financial challenge of the 21st Century. The competencies, which form the basis for this semester course, enable students to analyze their personal financial decisions, evaluate the costs and benefits of their decisions, recognize their rights and responsibilities as consumers, and apply the knowledge learned in school to financial situations encountered later in life.

Consumer Math Course Description
Understanding and managing personal finances are key to one’s future financial success. This two-semester course is based on the National Business Education standards for Personal Finance, Nebraska’s Career Education knowledge and skill statements, Nebraska Career Ready Standards, Nebraska Essential Learnings, National Standards for Economic Education and the National Standards in Personal Finance Education created by the Jump$tart Coalition® for Personal Financial Literacy.

The course presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

Consumer Math Course Objectives
At the completion of the course, the student will be able to do the following:
- Understand gross pay
- Understand net pay
- Be fully knowledgeable about banking services
- Understand the use and misuse of loans and credit cards
- Know how to be a wise consumer, especially when owning a home and car
- Know the different types of insurance and investments be able to wisely choose the best ones for an individual’s current needs.
- Explain financial literacy and how sound financial decisions can increase a person’s standard of living and wealth.
Consumer Math Content Standards

- **Business Math** 16th edition, 2006 (Kaczmarski, Schultheis) for the National Standards in Mathematics Education
- **Personal Financial Literacy**, 2nd edition, 2014 © textbook (Madura, Casey, Roberts) for the National Standards in Personal Finance Education
- 2013 NBEA National Standards publication
- Nebraska Business Education Standards
  
  http://cestandards.education.ne.gov/ OR
  http://cestandards.education.ne.gov/Subject_Link.aspx?Sub=Mk

Consumer Math Course Topics and Timeline:

**Fall Semester**

First Quarter:  Mathematics review
  - Chapter 1 - Gross Pay
  - Chapter 2 - Net Pay, Income Tax, Budgeting
  - IRS Tax Simulations
  - Everfi Personal Finance - 11 modules

Second Quarter:  Chapter 3 - Banking Services
  - Chapter 4 - Loans and Credit Cards
  - Financial Peace University - Dave Ramsey
  - H&R Block Budget Challenge
  - Confessions of a Shopaholic
  - FTC - You Are Here

**Spring Semester**

Third Quarter:  Chapter 5 - Consumer Choices
  - Chapter 6 - Owning a House or Car
  - Financial Peace University - Dave Ramsey
  - Gen-I Revolution missions 1-8
  - Financial Avenue courses
  - Stock Market Game

Fourth Quarter:  Chapter 7 - Insurance and Investments
  - Gen-I Revolution missions 9-16
  - Financial Peace University - Dave Ramsey
  - Financial Avenue courses
  - The Ultimate Gift
  - Stock Market Game
  - Nebraska Finance Challenge
**Consumer Math Course Projects and Activities:**
- Financial Peace University - Dave Ramsey
- Everfi Personal Finance modules
- Financial Avenue courses
- FTC - You Are Here
- IRS Tax Simulations
- Gen-I Revolution missions
- Confessions of a Shopaholic
- The Ultimate Gift
- Stock Market Game
- H&R Block Budget Challenge
- Nebraska Finance Challenge

**Course Guidelines and Expectations**

**Textbook:** *Business Math* 16th edition, 2006 (Kaczmarski, Schultheis)

**Classroom Behavior/Course Expectations**
- Be in your seat and fully prepared with all necessary material out and ready when the bell rings or you are considered tardy. All students are required to have their writing utensils (pen and pencil), notebook, and planner with them at the beginning of class.
- You must have your planner to be excused from class for any reason.
- Rules found in the student handbook apply.
- I encourage you to work with other students; however, both students working together must be maintaining a passing grade and you must work on math, not use this time to chat.

**Assessment Method:**
- Quarter grades are based on homework assignments, quizzes, and exams, weighted as follows:
  - **Assignments** 20%
    - Book work assignments are worth 10 points each.
    - Incomplete work will receive a reduced score; late homework will receive a 0.
    - Homework will be checked for correct answers.
    - Always double check PowerSchool to be sure your grade has been entered when homework is returned to you before disposing of your work.
  - **In-class assignments** 30%
    - These are games, missions, modules and assignments done on-line during class.
    - If you are absent, in-class assignments are due within two weeks of the day it was done in class.
    - Your in-class assignment grade will be based on your performance. In Gen-I missions, you will receive a 10 for passing the mission and an 8 if you complete but fail the mission. In Everfi, your grade will be determined by the number of correct responses on the post test.
**Assessment Method (continued):**

**Quizzes** 20%
- There will usually be 2 quizzes per chapter.
- Handwritten (by you) notes may be used on all quizzes.
- Advanced notice will be given for most quizzes, however, unannounced pop quizzes can be added into the curriculum without notice.

**Video assignments** 30%
- These are summaries or assignments based on videos shown in class.
- 10 points are given for each day a video is shown. Points are deducted if you are not paying attention to the video. This includes talking to other students, texting, putting your head down.
- The study guide must be completely filled out.
- Minus 1 point for each blank not filled in.

**Semester tests:** You must have a “1” to be considered for opting out.

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**Consumer Math – Review Section (subject to change)**

**Review 1** Standards: 12.1.4a  
*Objective:* TLW Place value, order, and rounding  
*Procedure:* Find place value, order, and rounding  
*Assignment:* Skills Workshop 1

**Review 2** Standards: 12.4.1b  
*Objective:* TLW Find Average  
*Procedure:* Add then Divide  
*Assignment:* Skills workshop 6

**Review 3** Standards: 12.1.4a  
*Objective:* TLW Estimate and Find Elapsed Time  
*Procedure:* Estimation and Elapsed Time  
*Assignment:* Skills workshop 12

**Review 4** Standards: 12.1.1a, 12.1.1b  
*Objective:* TLW Simplify fractions  
*Procedure:* simplify Fractions  
*Assignment:* Giant Dinosaur

**Review 5** Standards: 12.1.1a, 12.1.1b  
*Objective:* TLW Multiply and Divide Fractions  
*Procedure:* multiply and divide Fractions  
*Assignment:* Monster Hailstone
Consumer Math – Review Section

Review 6  Standards: 12.1.1a, 12.1.1b
Objective: TLW Add and Subtract Fractions
Procedure: Find common denominators
Assignment: A Grand Old Tree & Going to the new world
Fractions Test

Review 7  Standards: 12.1.1a, 12.1.1b
Objective: TLW Identify Equivalent Fractions, Decimals, and Percent
Procedure: Convert one form to another
Assignment: Van Winkle’s Trousers
Day 2 assignment: Peanuts
Day 3 assignment: Math Magic
Percent Skills Test & Missing Percent

Review 8  Standards: 12.1.1a, 12.1.1b
Objective: TLW Find Percent of a Number
Procedure: Find Percent of a Number
Assignment: Rock Group
Day 2 assignment: Watson

Percent Skills Test & Missing Percent

Review 9  Standards: 12.1.2a
Objective: TLW Convert Metric Measurements
Procedure: Use the Ladder Method
Assignment: Metric Mania

Review 10  Standards: 12.3.3g, 12.3.3h, 12.3.3ii
Objective: TLW Solve 1-step equations
Procedure: Solve 1-step equations
Assignment: 3-1 Practice B

Review 11  Standards: 12.3.3g, 12.3.3h, 12.3.3ii
Objective: TLW Solve 2-step equations
Procedure: Solve 2-step equations
Assignment: 3-2 Practice B

Review 12  Standards: 12.3.3g, 12.3.3h, 12.3.3ii
Objective: TLW Solve multi-step equations
Procedure: Solve multi-step equations
Assignment: 3-3 Practice B

Equations Test
Consumer Math - Chapter 1

Section 1-1  Standards: 12.1.3a, 12.1.3d  
Objective: TLW calculate hourly pay and salary  
Procedure: Use multiplication for calculations  
Assignment: #’s 12-30 even

Section 1-2  Standards: 12.1.3a, 12.1.3d  
Objective: TLW calculate average pay  
Procedure: simple and grouped data averages  
Assignment: #’s 8-26 even

Section 1-3  Standards: 12.1.3a, 12.1.3d  
Objective: TLW calculate overtime pay  
Procedure: calculate rates and pay  
Assignment: #’s 12-26 even & 40 & 42

Section 1-4  Standards: 12.1.3a, 12.1.3d  
Objective: TLW calculate commission  
Procedure: use straight and graduated commission  
Assignment: #’s 14-24 even & 30-34 even

Section 1-5  Standards: 12.1.3a, 12.1.3d  
Objective: TLW learn other wage plans  
Procedure: piece-rate, per diem, and tips  
Assignment: #’s 10-16 even & 20-30 even  
Chapter review p.32, #’s 1-9 all & 10-26 even  
Chapter 1 Quiz

Consumer Math - Chapter 2

Section 2-1  Standards: 12.1.3a, 12.1.3d  
Objective: TLW Deductions from Gross Pay  
Procedure: calculate various deductions to find net pay  
Assignment: #’s 16-34 even

Section 2-2  Standards: 12.1.3a, 12.1.3d  
Objective: TLW find Benefits and Job Expenses  
Procedure: find and compare net job benefits  
Assignment: #’s 16-18 even and 24-40 even

Section 2-3  Standards: 12.1.3a, 12.1.3d  
Objective: TLW Federal Income Taxes  
Procedure: calculate taxes and income tax refund  
Assignment: #’s 11-16 all  
Day 2 Assignment: #’s 17-28  
Day 3 Assignment: #’s 29-36, 43, 44  
Day 4 (and maybe day 5) assignment: Videos & IRS Tax Simulation  
Quiz 2-1
Consumer Math - Chapter 2

Section 2-4  Standards: 12.1.3a, 12.1.3d

Objective: TLW State and City Income Taxes
Procedure: calculate flat and graduated taxes
Assignment: #’s 8-26 even
Day 2 assignment: worksheets

Section 2-5  Standards: 12.1.3a, 12.1.3d

Objective: TLW Cash Receipts and Payment records
Procedure: keep cash receipts and columnar cash payments record
Assignment: #’s 6-24 even

Section 2-6  Standards: 12.1.3a, 12.1.3d

Objective: TLW Budgets
Procedure: prepare a budget
Assignment: #’s 16-34 even
Day 2 assignment: Preparing a Budget
Quiz 2-2 & Term Puzzler
Chapter Review 1-25
Chapter 2 Test

Consumer Math - Chapter 3

Section 3-1  Standards:

Objective: TLW Checking Accounts
Procedure: prepare deposits & record entries in register
Assignment: #’s 8-12 even, 16, 18, & Writing Checks

Section 3-2  Standards:

Objective: TLW Electronic Banking
Procedure: Record transactions and find account balance
Assignment: #’s 5-8 all & 11-15 all

Section 3-3  Standards:

Objective: TLW Online Banking
Procedure: Calculate account balance to make online payments
Assignment: #’s 5-13 all
Quiz 3-1

Section 3-4  Standards:

Objective: TLW Check Register Reconciliation
Procedure: Reconcile bank statements and check registers
Day 1 Assignment: #’s 6-24 even
Day 2 assignment: Reconciliation Worksheets
Day 3 assignment: Reconciliation Worksheets
**Consumer Math - Chapter 3**

**Section 3-5**  
**Standards:**  
*Objective: TLW Other Reconciliation Problems*  
Procedure: Reconcile account with outstanding transactions  
Day 1 assignment: #’s 6-10 even & 14-26 even  
Day 2 assignment: Reconciliation Worksheets

**Section 3-6**  
**Standards:**  
*Objective: TLW Savings Accounts*  
Procedure: Calculate simple and compound interest  
Assignment: #’s 8-20 even & 36-40 even

**Section 3-7**  
**Standards:**  
*Objective: TLW Money Market and CD Accounts*  
Procedure: Calculate interest earned, penalties, & effective rate of interest  
Assignment: #’s 2-20 even  
Quiz 3-2 & Term Puzzler

**Consumer Math - Chapter 4**

**Section 4-1**  
**Standards: 12.1.3a, 12.1.3d**  
*Objective: TLW Promissory Notes*  
Procedure: Calculate interest  
Assignment: #’s 10-28 even

**Section 4-2**  
**Standards: 12.1.3a, 12.1.3d**  
*Objective: TLW Discounted Promissory Notes*  
Procedure: Calculate interest  
Assignment: #’s 10-28 even

**Section 4-3**  
**Standards: 12.1.4a, 12.1.4d**  
*Objective: TLW Interest Tables*  
Procedure: Calculate interest and due dates  
Assignment: #’s 16-34 even

**Section 4-4**  
**Standards: 12.1.3a, 12.1.3d**  
*Objective: TLW Installment Loans*  
Procedure: Calculate interest, charges, and payments  
Assignment: #’s 12-18 even & 22-32 even  
Quiz 4-1

**Section 4-5**  
**Standards: 12.1.3a, 12.1.3d**  
*Objective: TLW Early Loan Repayments*  
Procedure: Use rule of 78  
Assignment: #’s 2-18 even
Consumer Math - Chapter 4

Section 4-6 Standards: 12.1.3a, 12.1.3d
Objective: TLW Annual Percentage Rates
Procedure: Calculate the APR on a loan
Assignment: #'s 16-36 even

Section 4-7 Standards: 12.1.3a, 12.1.3d
Objective: TLW Credit Card Costs
Procedure: Calculate the cost of using a credit card
Assignment: #'s 12-30 even

Section 4-8 Standards: 12.1.3a, 12.1.3d
Objective: TLW Credit card Finance Charges
Procedure: Calculate finance charges - 4 methods
Assignment: #'s 6-18 even & 26 & 28
Quiz 4-2 & Term Puzzler

Consumer Math - Chapter 5

Section 5-1 Standards: 12.1.3a, 12.1.3d
Objective: TLW Calculate Sales Tax
Procedure: Multiply
Assignment: #'s 2-16 even

Section 5-2 Standards: 12.1.3a, 12.1.3d
Objective: TLW Calculate sales slip totals
Procedure: Calculate extensions, find tax and sum
Assignment: #'s 6 -20 even & 28-30 even
Quiz 5-1

Section 5-3 Standards: 12.1.3a, 12.1.3d
Objective: TLW Calculate unit prices
Procedure: calculate and compare
Assignment: #'s 8-24 even

Section 5-4 Standards: 12.1.3a, 12.1.3d
Objective: TLW Comparative Shopping
Procedure: Compare different renting and buying options.
Assignment: #'s 10-28 even

Section 5-5 Standards: 12.1.3a, 12.1.3d
Objective: TLW Personal Internet Access
Procedure: calculate and compare costs and speeds.
Assignment: #'s 6-18 even & 32-36 even
Quiz 5-2 & Term Puzzler
Consumer Math - Chapter 6

Section 6-1  Standards: 12.1.3a, 12.1.3d

Objective: TLW Borrow to Buy a Home
Procedure: Calculate down payment, closing costs, etc...
Assignment: #’s 12-26 even, 34, & 38

Section 6-2  Standards: 12.1.3a, 12.1.3d

Objective: TLW Renting or Owning a Home
Procedure: Calculate and compare costs of renting vs. owning
Assignment: #’s 10-16 even, 24-32 even

Section 6-3  Standards: 12.1.4a, 12.1.4d

Objective: TLW Property Taxes
Procedure: Calculate property tax under various rates
Assignment: #’s 8-26 even

Section 6-4  Standards: 12.1.3a, 12.1.3d

Objective: TLW Property Insurance
Procedure: Calculate insurance premiums
Assignment: #’s 12-24 even & 38-42 even
Quiz 6-1

Section 6-5  Standards: 12.1.3a, 12.1.3d

Objective: TLW Buying a Car
Procedure: Calculate MSRP and delivered price and balance due
Assignment: #’s 8-16 even, 24-32 even

Section 6-6  Standards: 12.1.3a, 12.1.3d

Objective: TLW Depreciating a Car
Procedure: Calculate rate of depreciation
Assignment: #’s 8-26 even

Section 6-7  Standards: 12.1.3a, 12.1.3d

Objective: TLW Car Insurance
Procedure: Calculate car insurance premiums
Assignment: #’s 6-18 even, 22-26 even

Section 6-8  Standards: 12.1.3a, 12.1.3d

Objective: TLW Car Purchases and Leases
Procedure: Calculate cost of leasing, buying, and operating cars
Assignment: #’s 10-18 even, 26-34 even
Quiz 6-2 & Term Puzzler
**Consumer Math - Chapter 7 (subject to change)**

Section 7-1 Standards: 12.1.3a, 12.1.3d

Objective: TLW Understand Life Insurance
Procedure: Calculate premiums, net costs, etc...
Assignment: #'s 10-28 even

Section 7-2 Standards: 12.1.3a, 12.1.3d

Objective: TLW Understand Health Insurance
Procedure: Calculate premiums, benefits, and coinsurance
Assignment: #'s 4-22 even

Section 7-3 Standards: 12.1.4a, 12.1.4d

Objective: TLW Understand Disability Insurance
Procedure: Calculate disability insurance benefits
Assignment: #'s 8-26 even
Quiz 7-1

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**Student Contract - Consumer Math**

I have read and had explained in detail the guidelines and expectations set forth for Consumer Math. I understand that successful completion of this course will be based largely upon my following these guidelines and expectations. As it is my intention to successfully complete this course with a passing grade and credit granted, I agree to follow all of the guidelines given.

________________________________________
Name

________________________________________
Date

Grade I will work to earn in Consumer Math: ________________________________