

Consumer Math

2015

Nebraska City High School

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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\$Start 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 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.

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

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

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: _____