Title of planned course: Consumer Math

Subject Area: Mathematics

Grade Level: 12

Course Description: This course will explore personal finance as it applies to a person’s income, Federal and State taxes, Social Security and Medicare deductions and filing taxes. Students will explore debts, expenses, and spending and saving habits; budgeting to determine if one’s income can support rent, utilities, food, and transportation. Financial planning as it pertains to investment, life insurance, purchasing a car, paying off loans (car and/or credit card), and how different interest rates effect their overall purchase price.

Time/Credit for this Course: Half Year / 0.5 Credit

Curriculum Writing Committee: BethAyn S. Tarsi
Curriculum Map

August / January  Money Management

September / February  Money Management

October / March  Financial Security

November / April  Credit Management

December / May  Resource Management

January / June  Risk Management
Course Title: Consumer Math

Textbook: Managing Your Personal Finances (7e)
Ryan & Ryan
South-Western Cengage Learning
2016

Teacher Resources:
- Teacher created handouts/activities
- Internet resources
Curriculum Scope & Sequence

Planned Course: Consumer Math

Unit: Money Management

Time frame: 6 weeks

State Standards: 2.1.8A, 2.2.8AB, 2.3.8B, 1.2.8A, 1.4.3B, 1.5.8A-DG, 1.5.11E-F, 1.6.11A-E, 13.3.11D, 11.1.12E

Essential content/objectives: At the end of the unit, students will be able to:
- Compute gross pay and net pay
- List and describe employee benefits and incentives
- Explain the benefit of work models that differ from regular workweeks
- Describe the role of unions and professional organizations in the workplace
- List the types of taxes and explain the purpose of each
- Describe the U.S. tax system and explain how it works
- List and define basic tax terminology
- Prepare tax form 1040
- Explain the purpose of financial planning and prepare a personal budget
- Explain the need for and create a net worth statement and a personal property inventory
- List the elements of a legally binding agreement
- Explain how to design an effective filing system for your personal records

Core Activities: Students will complete/participate in the following:
- Complete a payroll simulation
- Complete an internet search of job benefits
- Prepare a 1040 tax form
- Prepare a budget
- Write checks and complete the bank register
- Reconcile a bank register against a bank statement

Extensions:
- Interview people to compare and contrast their different job benefits
- Complete a 1040 tax form with diverse situations (i.e., # of dependents, head of household)
- Determine the mathematical errors in a bank register

Remediation:
- Complete payroll/budget/tax form or checking account simulation
- Research or writing assignment
- Complete summary and/or review worksheet
**Instructional Methods:**
- Direct instruction
- Guided and independent reading
- Large and small group discussion
- Independent practice
- Simulations

**Materials & Resources:**
- Teacher generated worksheets
- Chapter study guides
- Calculator
- Chrome book

**Assessments:**
- Class notes
- Homework
- Class observation/discussion
- Quizzes
- Projects
- Chapter test
Curriculum Scope & Sequence

**Planned Course:** Consumer Math

**Unit:** Financial Security

**Time frame:** 4 weeks

**State Standards:** 6.5.12G, 11.1.12B, 2.1.8A, 2.2.8A-B, 1.2.8A, 1.4.11B, 1.4.3B, 1.5.8A-G, 1.5.11E-F, 1.6.11A-E

**Essential content/objectives:** At the end of the unit, students will be able to:

- Discuss why it is important to save money for the future
- Explain how money grows through compounding
- List the various places where you can save money
- List the features and explain the purposes of different savings options
- Discuss factors that influence selection of a savings plan
- Describe ways to save regularly
- Explain the underlying value of investing
- Discuss the stages of investing
- Explain the concept of risk
- Describe investment strategies
- List and describe sources of investment information
- Describe investing choices and rate them by risk

**Core Activities:** Students will complete/participate in the following:

- Interest comparison between various investment options
- Create an investment stages chart
- Investment options presentation
- Retirement needs checklist
- Investment speaker on what students can do now to start their financial portfolio
- Calculate growth on investments

**Extensions:**

- Research paper on best investment options comparing risk and return
- Compare several investment options and provide a presentation on best option
- Compare cost of living in several different areas to determine best options for getting the most out of one’s retirement dollars

**Remediation:**

- Teacher guided problems on calculating interest
- Create a risk-reward chart for multiple investment options
- Research or writing assignment
- Complete summary and/or review worksheet
**Instructional Methods:**
- Direct instruction
- Guided and independent reading
- Large and small group discussion
- Independent practice
- Simulations

**Materials & Resources:**
- Teacher generated worksheets
- Chapter study guides
- Calculator
- Chrome book

**Assessments:**
- Class notes
- Homework
- Class observation/discussion
- Quizzes
- Projects
- Chapter test
Curriculum Scope & Sequence

Planned Course: Consumer Math

Unit: Credit Management

Time frame: 4 weeks

State Standards: 11.1.9B, 2.1.8A, 2.2.8A-B, 1.2.8A, 1.4.3B, 1.5.8A-DG, 1.5.11E-F, 1.6.11A-E

Essential content/objectives: At the end of the unit, students will be able to:

- Discuss the history of credit and the role of credit today
- Explain the advantages and disadvantages of using credit
- List and describe the types of credit available to consumers
- Describe and compare sources of credit
- Discuss the purpose of credit records and credit reports
- Describe the concept of creditworthiness
- Explain how to get started using credit
- Discuss how credit scores and credit ratings are used to evaluate credit
- Discuss major credit laws and their impact on consumers
- Describe the responsibilities of consumer credit
- Discuss how to protect your credit accounts from fraud
- Explain how you can reduce or avoid credit costs
- Explain why credit costs vary
- Compute and explain simple interest and APR
- Compare methods of computing the finance charge on revolving credit
- Discuss good credit management rules and warning signs that you are overextended
- List different debt relief options for consumers
- Explain how to identify and avoid credit scams
- List and describe types of bankruptcy
- Discuss common causes of bankruptcy
- Explain advantages and disadvantages of declaring bankruptcy

Core Activities: Students will complete/participate in the following:

- Discussions on the advantages and disadvantages of credit
- Analyze credit card offers
- Identify the steps in getting a credit card
- Apply different types of interest rates to credit card balances
- Discuss how a person’s credit score follows them throughout their financial life

Extensions:

- Find the mathematical errors in a credit card statement
- Create a report on how to have an account removed from your credit report
Remediation:
● List and define concepts of credit
● Summarize bankruptcy and fraud and the effects on good consumers
● Research or writing assignment
● Complete summary and/or review worksheet

Instructional Methods:
● Direct instruction
● Guided and independent reading
● Large and small group discussion
● Independent practice
● Simulations

Materials & Resources:
● Teacher generated worksheets
● Chapter study guides
● Calculator
● Chrome book

Assessments:
● Class notes
● Homework
● Class observation/discussion
● Quizzes
● Projects
● Chapter test
Curriculum Scope & Sequence

Planned Course: Consumer Math

Unit: Resource Management

Time frame: 2 weeks

State Standards: 6.3.12B, 6.3.9D, 6.3.6E, 11.1.12C, 11.2.6G, 2.1.8A, 2.2.8A-B, 1.2.8A, 1.4.3B, 1.5.8A-DG, 1.5.11E-F, 1.6.11A-E, 1.8.5A-C

Essential content/objectives: At the end of the unit, students will be able to:
- List and describe several rental housing options
- Discuss potential living arrangements
- Explain how to plan a successful move into a rental property
- List the advantages and disadvantages of renting a place to live
- Describe the elements of the rental application, rental inventory, and lease forms
- Discuss landlord and tenant responsibilities
- List and explain the steps of the car-buying process
- Explain vehicle financing choices, including leasing
- Discuss forms of consumer protection for car buyers
- Identify the costs of owning and operating a car
- Describe methods for extending the life of your car and maintaining its resale value

Core Activities: Students will complete/participate in the following:
- Apply the decision making process to solve consumer problems
- Plan for a major purchase
- Compare renting and buying housing options
- Compare purchasing with leasing a car
- Create a household budget

Extensions:
- Upon completion of household budget write a report on whether or not they can afford to leave there and present their findings
- Refine their budget to determine areas they could save money
- Research the current housing market

Remediation:
- Explain the decision-making process
- Create a comparison table for renting vs owning a residents
- Create a comparison table for owning vs leasing a vehicle
- Create a comparison table for purchasing a new vs used vehicle
- Research or writing assignment
- Complete summary and/or review worksheet
Instructional Methods:
- Direct instruction
- Guided and independent reading
- Large and small group discussion
- Independent practice
- Simulations

Materials & Resources:
- Teacher generated worksheets
- Chapter study guides
- Calculator
- Chrome book

Assessments:
- Class notes
- Homework
- Class observation/discussion
- Quizzes
- Projects
- Chapter test
Curriculum Scope & Sequence

Planned Course: Consumer Math

Unit: Risk Management

Time frame: 2 weeks

State Standards: 1.2.8A, 1.4.3B, 1.5.8A-DG, 1.5.11E-F, 1.6.11A-E

Essential content/objectives: At the end of the unit, students will be able to:
- Explain the purpose and provisions of renters insurance
- Describe the need for and coverage provided by homeowners insurance
- Discuss common types of auto insurance coverage
- Explain the concept of umbrella liability insurance
- Describe group and individual health insurance choices
- List and explain common types of health insurance coverage and plans
- Discuss different types of disability insurance
- Describe the characteristics of different life insurance plans

Core Activities: Students will complete/participate in the following:
- Explain the types of risk
- Create a risk management plan
- Calculate the financial implications of not having the proper insurance
- Compare renters and homeowners insurance
- Interview parent/guardian on their insurance policies
- Insurance speaker

Extensions:
- Create a report with real world examples of how insurance effected lives/communities
- Get auto insurance quotes from different companies on their vehicle

Remediation:
- Create a chart defining the types of risk
- Describe the importance of a risk management plan
- Make a diagram comparing the coverage of renters and homeowners insurance
- Define the five different types of car insurance
- Create a chart listing the types of health, disability, and life insurance
- Research or writing assignment
- Complete summary and/or review worksheet

Instructional Methods:
- Direct instruction
- Guided and independent reading
- Large and small group discussion
- Independent practice
- Simulations
Materials & Resources:
● Teacher generated worksheets
● Chapter study guides
● Calculator
● Chrome book

Assessments:
● Class notes
● Homework
● Class observation/discussion
● Quizzes
● Projects
● Chapter test