

Unit 5: Savings and Investing

Topics in Math

10 Class Meetings

Rev. June 2018

Essential Questions

- What services do banks provide?
- How can you begin saving now for the future?
- Why should you invest and how does investing affect your financial plan?

Enduring Understandings with Unit Goals

EU 1: Banks and other financial institutions offer a variety of services in depository and non-depository institutions.

- Identify and know how to use the different types of banking services.

EU 2: Banks offer a wide range of services for savings in a secure environment.

- Understand the different types of savings options.

EU 3: It is important to invest in options where the return will beat inflation.

- Apply knowledge of the stock market and other investments to create an investment portfolio.

Standards

Common Course State Standards

- **CCSS.MATH.CONTENT.HSA.A.SSE.1:** Interpret expressions that represent a quantity in terms of its context.
- **CCSS.MATH.CONTENT.HSN.Q.A.2** Define appropriate quantities for the purpose of descriptive modeling.
- **CCSS.MATH.CONTENT.HSA-CED.A.1:** Create equations and inequalities in one variable and use them to solve problems.
- **CCSS.MATH.CONTENT.HSA.REI.A.1:** Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.

MSMHS Academic, Civic, and Social Competencies

Competency 1: Read and write effectively for a variety of purposes.

Competency 2: Speak effectively with a variety of audiences in an accountable manner.

Competency 3: Make decisions and solve problems independently and collaboratively.

Competency 5: Contribute to a positive learning environment with respect and responsibility.

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Unit Content Overview

1. Banking Procedures and Services

- Types of financial institutions
- Balancing a checking account
- Function of the Federal Reserve

2. Methods of Saving

- Savings and interest
- Types of bank accounts that can aid in saving
- Retirement savings options

3. Methods of Investing

- Reasons for investing
- Process of investing (stocks, bonds and mutual funds)

Interdisciplinary Connections

- ELA: Writing and speaking about processes, word problems

Learning Objectives

Students will be able to...

- Explain the difference between different types of financial institutions.
- Learn the basics of having a checking account, including how to balance an account.
- Describe other available banking services.
- Describe the two major federal insurers.
- Explain the function and goals of the Federal Reserve.
- Explore the ways in which savings can earn interest.
- Examine the different types of bank accounts that can aid in savings.
- Describe retirement savings options.
- Explore the reasons for investing.
- Describe the process of investing in stock.
- Create and monitor a stock portfolio.
- Describe the process of investing in bonds.
- Describe the process of investing in mutual funds.
- Explore other options for investing.

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Instructional Strategies/Differentiated Instruction

- Daily Warm Up Activities
- Power Point Lecture with note-taking
- Guided Notes
- Flexible grouping
- Exit slips
- Graphic Organizers
- Creating authentic connections for students
- Accountable Talk Discussion
- Independent Problem Solving
- Collaborative Problem Solving
- Homework

Assessments

FORMATIVE ASSESSMENTS:

- Outlining and annotation of textbook
- Answering end-of-chapter questions from textbook
- Warm Up Activities
- Daily check-ins with students
- Homework/Reading checks
- Filling out deposit slips and writing checks
- Activity: Calculation of interest on a savings account
 - MSMHS Rubric 3: Problem Solving
- Stock Market Project
 - MSMHS Rubric 3: Problem Solving

SUMMATIVE ASSESSMENTS:

- Quiz on EU 1 and EU 2
- Quiz on EU 3
- Calculation of interest on a savings account
- Stock Market Performance Task

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Unit Task

Unit Task Name: Stock Market Performance Task

Description: Students will use information learned in this unit about the services banks provide (EU 1), methods in which you can save (EU 2), how to make responsible investments (EU 3) as well as information about financial planning and investing from previous units to create a stock portfolio. They will monitor this portfolio and adjust it every class during the unit for a period of time. At the end of the unit, they will present their earnings and evaluate their successes in a Power Point or Prezi document. They will put present their findings orally as well as in a well-developed essay. The essay will include the pros and cons of investing and any advice to future investors.

Evaluation: MSMHS Rubric 3: Problem Solving

Unit Resources

- Textbook (*Personal Financial Literacy* By Jeff Madura, Mike Casey, and Sherry J. Roberts, Pearson Education, Inc. 2010.)
- MSMHS School-wide Rubrics
- Local professionals to perform interviews
- Internet databases
- Laptops
- Graphing calculators