

Financial Literacy (FL)

Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grades 9-12
									<p>MA.912.FL.1 Build mathematical foundations for financial literacy.</p> <p>MA.912.FL.1.1 Extend previous knowledge of operations of fractions, percentages and decimals to solve real-world problems involving money and business.</p> <p>MA.912.FL.1.2 Extend previous knowledge of ratios and proportional relationships to solve real-world problems involving money and business.</p> <p>MA.912.FL.1.3 Solve real-world problems involving weighted averages using spreadsheets and other technology.</p>
									<p>MA.912.FL.2 Develop an understanding of basic accounting and economic principles.</p> <p>MA.912.FL.2.1 Given assets and liabilities, calculate net worth using spreadsheets and other technology.</p> <p>MA.912.FL.2.2 Solve real-world problems involving profits, costs and revenues using spreadsheets and other technology.</p> <p>MA.912.FL.2.3 Explain how consumer price index (CPI), gross domestic product (GDP), stock indices, unemployment rate and trade deficit are calculated; interpret their value in terms of the context.</p> <p>MA.912.FL.2.4 Given current exchange rates, convert between currencies. Solve real-world problems involving exchange rates.</p> <p>MA.912.FL.2.5 Develop budgets that fit within various incomes using spreadsheets and other technology.</p> <p>MA.912.FL.2.6 Given a real-world scenario, complete and calculate federal income tax using spreadsheets and other technology.</p>

MA.912.FL.3

Describe the advantages and disadvantages of short-term and long-term purchases.

MA.912.FL.3.1

Compare simple, compound and continuously compounded interest over time.

MA.912.FL.3.2

Solve real-world problems involving simple, compound and continuously compounded interest.

MA.912.FL.3.3

Solve real-world problems involving present value and future value of money.

MA.912.FL.3.4

Explain the relationship between simple interest and linear growth. Explain the relationship between compound interest and exponential growth and the relationship between continuously compounded interest and exponential growth.

MA.912.FL.3.5

Compare the advantages and disadvantages of using cash versus personal financing options.

MA.912.FL.3.6

Calculate the finance charges and total amount due on a bill using various forms of credit using estimation, spreadsheets and other technology.

MA.912.FL.3.7

Compare the advantages and disadvantages of different types of student loans by manipulating a variety of variables and calculating the total cost using spreadsheets and other technology.

MA.912.FL.3.8

Calculate using spreadsheets and other technology the total cost of purchasing consumer durables over time given different monthly payments, down payments, financing options and fees.

MA.912.FL.3.9

Compare the advantages and disadvantages of different types of mortgage loans by manipulating a variety of variables and calculating fees and total cost using spreadsheets and other technology.

MA.912.FL.3.10

Analyze credit scores qualitatively. Explain how short-term and long-term purchases, including deferred payments, may increase or decrease credit scores. Explain how credit scores influence buying power.

MA.912.FL.3.11

Given a real-world scenario, establish a plan to pay off debt.

MA.912.FL.3.12

Given fixed costs, per item costs and selling price, determine the break-even point for sales volume.

MA.912.FL.4

Describe the advantages and disadvantages of financial and investment plans, including insurances.

MA.912.FL.4.1

Calculate and compare various options, deductibles and fees for various types of insurance policies using spreadsheets and other technology.

MA.912.FL.4.2

Compare the advantages and disadvantages for adding a one-time warranty to a purchase using spreadsheets and other technology.

MA.912.FL.4.3

Compare the advantages and disadvantages of various retirement savings plans using spreadsheets and other technology.

MA.912.FL.4.4

Collect, organize and interpret data to determine an effective retirement savings plan to meet personal financial goals using spreadsheets and other technology.

MA.912.FL.4.5

Compare different ways that portfolios can be diversified in investments.

MA.912.FL.4.6

Simulate the purchase of a stock portfolio with a set amount of money, and evaluate its worth over time considering gains, losses and selling, taking into account any associated fees.