

Math

Grade 7- Financial Literacy

Effective money management can be very difficult to master. It is much easier to learn earlier in life. This course is designed to guide students in the direction of a successful financial future by introducing them to the concepts and skills that they will eventually be faced with in the real world. Through projects, class discussions, and research the students will explore the answers to questions such as: What is financial literacy and why do you need it? What are your career goals? What are checks for? How much education do you need for your intended career? What are income taxes for? What is the purpose of a credit card?

Grade 8- Accounting

This course builds upon what the students learned in Financial Literacy. In Financial Literacy, the students focused on how money can affect them personally. In this course, students will focus on how money can affect an industry – specifically the retail industry. Students will revisit concepts such as personal budgets and checking accounts and learn how to apply them to a retail situation. Students will be given a specific budget and be tasked with opening their own retail store. They will be required to research and design everything from the type of retail store, to the location, to the size of the space they will need, to the pricing of the goods in order to create and run a successful retail business.

Grade 8- Sports Statistics

This course introduces students to the use of statistical analysis in a sports context. Students will learn how to read a box score and compare one team/players performance to another. They will use statistical analysis to create a fantasy sports team and track the team's progress over a given period of time. Students will use their knowledge of graphs and charts to create and interpret visual representations of their team's performance. At the end of the course, the students will be tasked with creating a short sportscast that includes summarizing and explaining the data they have collected about their fantasy team.

Grade 8- Stock Market

This course will help the students gain a fundamental understanding of investing in the stock market. With an initial investment of \$100,000 the students will create a stock portfolio. Through hands-on experiences, research, and class discussions the students will learn how to evaluate trends, how to translate what they know about owning a stock to realizing how much of a company they own, how to analyze a stock table to understand important elements, how to examine companies and determine the risk involved in investing in them, how to create a diversified portfolio, how to distinguish between a company's earnings and it's P/E ratio, how to use a company's P/E ratio and earnings growth rate to determine risk, how to investigate various investment & savings opportunities, how to examine a company before making investments, and how to draw supported conclusions as to whether the strategy used in preparing the portfolio was successful and what investment changes they might have made to improve portfolio performance.