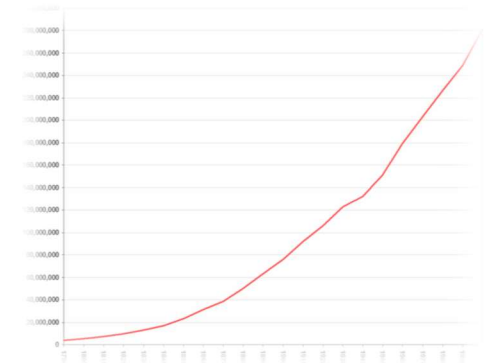
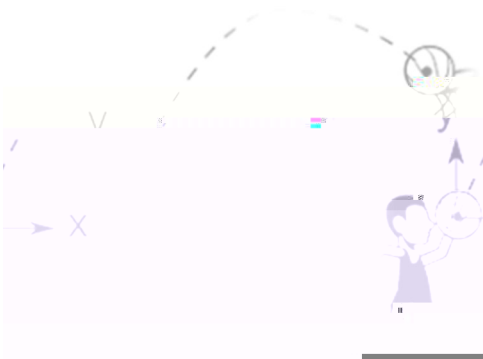
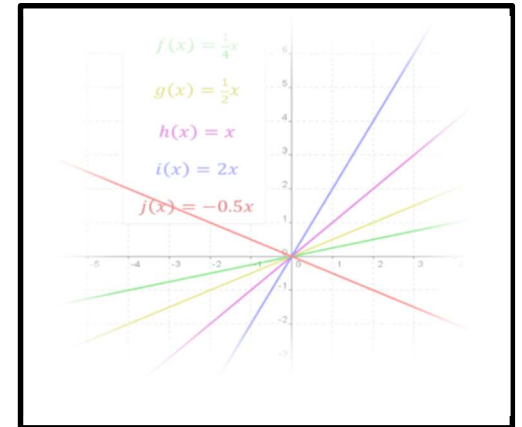


Math Models Parent Guide

In this unit students will use multiple representations of linear functions to solve problems involving personal finance and social science. Slope, Properties of Parallel Lines, Linear Functions in Reference to Finance, Systems of Equations in Reference to Finance and Science

Students will be able to communicate data regarding wages, interest earned, and proportional growth. They will also investigate how to analyze and interpret data presented as a graph, table, equation, or verbal description.

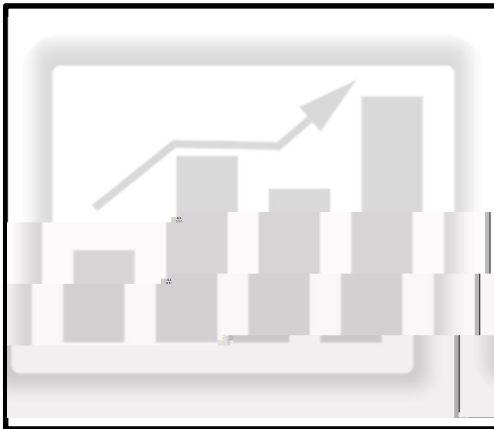
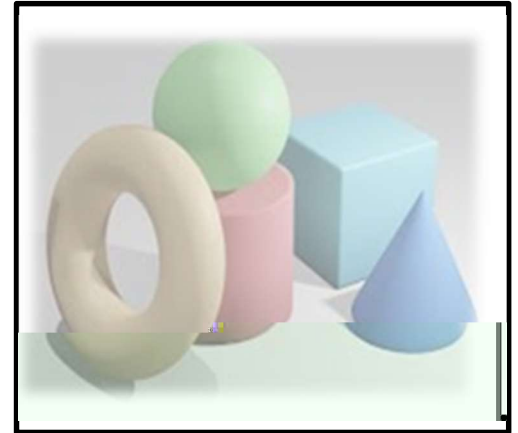
- This unit will teach students to be knowledgeable consumers and producers in society.



During unit 4 students will apply geometric properties and theorems to calculate materials and costs for home improvements, production of goods, and logistic calculations for transportation

Students will use scale factor to find surface areas, volume, and equivalent proportions. Properties and theorems will help them determine distances between objects and places

- Students will explore how Geometry is seen and used in the world around them



Unit 5 focuses on the organization of collected data and the various ways data can be collected

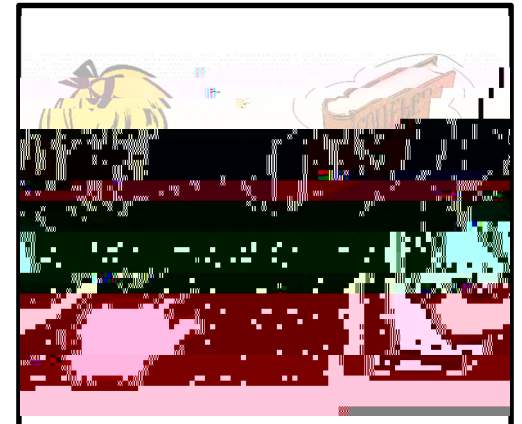
Students will display various types of graphs and will analyze the data by identifying patterns and trends. They will determine the measures of central tendency including mean, median, mode, and midrange. Students will be able to decipher between symmetric and skewed distributions as well as distinguish percentiles and quartiles

- This unit will teach students to be more analytical of the information they receive daily via various media outlets

This unit focuses on the components of personal finance

Students will calculate gross and net pay of wages that are hourly, salary, and commissioned, and will learn how taxes are calculated for city, state, and the federal government. Students will investigate home and car loans, car leases and credit card debt, and be able to calculate the interest accrued on loans and the impact of paying on time or early. Lastly, students will explore amortization tables to see how down payments, interest rates, time, and monthly payments effect the total interest paid

- These lessons will teach students best practices to strengthen their financial future



Questions? Please contact your [\[Course\]](#) math teacher: [Additional Support](#): We recommend Khan Academy and Tutor.com and remember campus tutoring is also available