

Year At A Glance

Math Models

1 st Six Weeks	2 nd Six Weeks	3 rd Six Weeks
<ul style="list-style-type: none"> ➤ Recursive Thinking ➤ Interpretation of various graphs ➤ Graphs & Trends ➤ Linear Graphs ➤ Displaying Data ➤ Comparing Variables ➤ Developing the Linear Model ➤ Rate of Change ➤ Determining a Linear Model ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Introduction to exponential and logistic graphing ➤ Hook's Laws, Measurement ➤ Linear Modeling in Science ➤ Making Predictions ➤ Interpreting Real life Data ➤ Exponential Growth ➤ Exponential Decay ➤ Newton's Law ➤ Exponential Functions using Real World Examples ➤ Developing the Quadratic Model ➤ Real World Applications of Quadratics ➤ Boyle's Law ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Decision Making ➤ Minimizing Perimeter ➤ Exponential Modeling with Money ➤ Comparing Linear & Exponential ➤ Compound Interest Model ➤ Compound Interest & Amortization Model ➤ Compound Interest with Loans & Annuities ➤ Real life Simulation of Finance ➤ Analyze spending habits ➤ Income Tax ➤ Compare & Analyze Data involving Rent ➤ Problem Solving
4 th Six Weeks	5 th Six Weeks	6 th Six Weeks
<ul style="list-style-type: none"> ➤ Line of best fit ➤ Average Utility Expenses ➤ Personal Finance Portfolio ➤ Finance in the Real World ➤ Investigating Financial Decisions ➤ Figures and Transformations ➤ Linear and Non-Linear Functions ➤ Inequalities ➤ Graph of Linear Equations ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Writing Equations and Inequalities ➤ Expressions, Equations and Inequalities ➤ Writing and Solving Systems of Linear Functions ➤ Graphs, Transformations, and Solving Equations ➤ Geometric Figures ➤ Right triangles and Distance ➤ Composite Figures ➤ Area, Surface Area, and volume ➤ Similar Figures ➤ Central Tendency and predictions ➤ Generalizing Patterns ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Identifying functions ➤ Equations of Lines ➤ Parent Functions ➤ Transformations ➤ Graphing ➤ Inverse functions ➤ Domain and Range ➤ Functions ➤ Interpreting graphs ➤ Linear Inequality ➤ Problem Solving