

Eustace High School Math Models Objectives

1st Six Weeks

- Probability Counting Principle
- Theoretical / Experimental Probability
- Predictions from Data Collection
- Measures of Central Tendency
- Scatter Plots / Correlation
- Visual Displays of Data
- Venn Diagrams
- Linear Equations / Inequalities
- Compound Inequalities

2nd Six Weeks

- Writing Equations of Lines
- Equations of Parallel / Perpendicular Lines
- Lines of Best Fit
- Systems of Equations
- Solving Quadratic Equations

3rd Six Weeks

- Quadratic Formula
- Quadratic Equations
- Relations and Functions
- Parent Functions
 - Linear
 - Parabolic
 - Absolute Value
 - Square Root
 - Cubic
 - Reciprocal
 - Exponential
 - Logarithmic
 - Regression

4th Six Weeks

- Right Triangles
- Distance / Midpoint Formulae
- Polygons
- Area / Perimeter of Polygons
- 3-Dimensional Objects / Nets

5th Six Weeks

- Pyramids and Nets
- Effects of Changes in Dimensions
- Circles
- Areas of Shaded Regions
- Arcs / Central Angles / Semicircles
- Area and Volume
 - Cylinders
 - Cones
 - Spheres

6th Six Weeks

- Personal Finance
- Home Financing
- Automobile Financing
- Polynomials
- Trinomials