

Math Models Placemat

First Semester	Second Semester
1st Six Weeks	4th Six Weeks
<p><u>Unit 01: Probability</u></p> <p><u>Unit 02: Statistics: Univariate Data</u></p> <ul style="list-style-type: none"> • 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 	<p><u>Unit 06: Modeling Real-World Situations using Functions</u></p> <p><u>Unit 07: Modeling Situations in Music, Art, and Architecture</u></p> <ul style="list-style-type: none"> • Right Triangles • Distance / Midpoint Formula • Polygons • Area / Perimeter of Polygons • 3-Dimensional Objects / Nets
2nd Six Weeks	5th Six Weeks
<p><u>Unit 03: Statistics: Bivariate Data</u></p> <p><u>Unit 04: Hypothesis Testing by Data Collection and Analysis</u></p> <ul style="list-style-type: none"> • Writing Equations of Lines • Equations of Parallel / Perpendicular Lines • Lines of Best Fit • Systems of Equations • Solving Quadratic Equations 	<p><u>Unit 08: Probability and Statistics: Tying It All Together</u></p> <p><u>Unit 09: Algebra: Tying It All Together</u></p> <p><u>Unit 10: Geometry and Measurement: Tying It All Together</u></p> <ul style="list-style-type: none"> • Pyramids & Nets • Effects of Changes in Dimensions • Circles • Areas of Shaded Regions • Arcs / Central Angles / Semicircles • Area & Volume <ul style="list-style-type: none"> • Cylinders • Cones • Spheres

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3rd Six Weeks	6th Six Weeks
<p><u>Unit 05: Data Collection and Functions</u></p> <ul style="list-style-type: none">• Quadratic Formula• Quadratic Equations• Relations & Functions• Parent Functions<ul style="list-style-type: none">• Linear• Parabolic• Absolute Value• Square Root• Cubic• Reciprocal• Exponential• Logarithmic• Regression	<p><u>Unit 11: Personal Finance</u></p> <p><u>Unit 12: Credit</u></p> <p><u>Unit 13: Financial Planning</u></p> <ul style="list-style-type: none">• Personal Finance• Home Financing• Automobile Financing• Polynomials• Trinomials