

Curriculum Map

Subject: MATH	Grade: 8	Academic Year:
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Time Frame	Topic	Content	Resources	Assessments	Standards

September	Real Numbers and the Coordinate Plane	<ul style="list-style-type: none"> ● Rational and Irrational Numbers ● Square Roots ● The Pythagorean Theorem ● The Converse of the Pythagorean Theorem ● Distance in the Coordinate Plane 	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators Manipulatives	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.NS.1 8.NS.2 8.EE.2 8.G.6 8.G.7 8.G.8
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Time Frame	Topic	Content	Resources	Assessments	Standards

October	<p>Solving Linear Equations</p> <p>Introduction to Functions</p>	<p>Solving Two-Step Equations</p> <p>Simplifying Algebraic Expressions</p> <p>Solving Multi-Step Equations</p> <p>Solving Equations With Variables on Both Sides</p> <p>Types of Linear Equations</p> <p>Relating Graphs to events</p> <p>Functions</p> <p>Proportional Relationships</p>	<p>Student Text</p> <p>Online Text</p> <p>Chalk Board</p> <p>Smart Board</p> <p>White Board</p> <p>Khan Academy</p> <p>Pearson</p> <p>Teacher Resources</p> <p>Chrome Books</p> <p>Calculators</p>	<p>Tests</p> <p>Quizzes</p> <p>Activity Labs</p> <p>Board Drills</p> <p>Observation</p> <p>Math Partners</p> <p>Classwork</p> <p>Homework</p>	<p>8.EE.7</p> <p>8.EE.7.a</p> <p>8.ee.7.b</p> <p>8.F.1</p> <p>8.F.5</p> <p>8.EE.5</p>
November	<p>Introduction to Functions</p> <p>Graphing Functions</p>	<p>Linear Functions</p> <p>Nonlinear Functions</p> <p>Understanding Slope</p> <p>Graphing Linear Functions</p> <p>Writing Rules for Linear Functions</p> <p>Comparing Functions</p>	<p>Student Text</p> <p>Online Text</p> <p>Chalk Board</p> <p>Smart Board</p> <p>White Board</p> <p>Khan Academy</p> <p>Pearson</p> <p>Teacher Resources</p> <p>Chrome Books</p> <p>Calculators</p>	<p>Tests</p> <p>Quizzes</p> <p>Activity Labs</p> <p>Board Drills</p> <p>Observation</p> <p>Math Partners</p> <p>Classwork</p> <p>Homework</p>	<p>8.F.3</p> <p>8.F.4</p> <p>8.EE.6</p> <p>8.F.1</p> <p>8.F.2</p> <p>8.EE.5</p>

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December	Systems of Linear Equations	Solving Systems by Graphing Solving Systems by Substitution Solving Systems by Elimination Systems in the Real World	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.EE.8.a 8.EE.8.b 8.EE.8.c
January	Exponents	Scientific Notation Exponents and Multiplication Exponents and Division Dividing with Scientific Notation	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.EE.1 8.EE.3 8.EE.4

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February	Introduction to Geometry	Pairs of Angles Angles and Parallel Lines Congruent Figures Similar Figures Proving Triangles Similar Angles and Polygons	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.G.2 8.G.4 8.G.5 8.EE.6
March	Transformations	Translations Reflections and Symmetry Rotations Transformation and Congruence Dilations Transformations and Similarity	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.G.1.a 8.G.1.b 8.G.1.c

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April	Geometry and Measurement	Solids Volume of Prisms and Cylinders Volume of Pyramids and Cones Spheres Exploring Similar Solids	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.G.7 8.G.9
May	Data Analysis	Scatter Plots Analyzing Scatter Plots Modeling Data with Lines Two-Way Tables	Student Text Online Text Chalk Board Smart Board White Board Khan Academy Pearson Teacher Resources Chrome Books Calculators	Tests Quizzes Activity Labs Board Drills Observation Math Partners Classwork Homework	8.SP.1 8.SP.2 8.SP.3 8.SP.4