

Curriculum Map: 8th Grade (will be updated throughout 2015-16)

Unit	Essential Questions	Standards	Vocabulary	Assessments
#1: Real Numbers and Exponents	<p>How are numbers represented in different ways?</p> <p>What is the difference between rational numbers and irrational numbers?</p> <p>What are inverse operations?</p>	<p>8.NS.1 (Irrational Numbers)</p> <p>8.NS.1 (Decimal Expansions Conversions)</p> <p>8.EE.2 (Square Roots and Cube Roots)</p> <p>8.NS.2 (Irrational Number Comparisons)</p> <p>8.EE.1 (Integer Exponents)</p> <p>8.EE.3 (Scientific Notation)</p> <p>8.EE.4 (Scientific Notation)</p>	<ul style="list-style-type: none"> • Rational • Irrational • Square • Square Root • Cube • Cube Root • Inverse Operation • Exponent • Base • Power • Scientific Notation • Coefficient 	<p>Real Numbers Summative</p> <p>Exponents Summative</p> <p>Scientific Notation Summative</p>
#2: Expressions and Equations	<p>How can expressions</p>	<p>8.EE.7 (One Variable Linear Equations)</p>	<ul style="list-style-type: none"> • Term • Constant 	<p>Code Break Performance Task</p> <p>Equations Summative</p>

	<p>represented in different ways?</p> <p>How can we verify that a solution is correct?</p>		<ul style="list-style-type: none"> • Variable • Coefficient • Degree • Like Terms • Distribute 	
#3: Congruence and Similarity	<p>What are the transformations and what effect do they have on an object?</p> <p>How can transformations be used to determine congruency or similarity?</p> <p>How can we determine if triangles are similar?</p> <p>What angle relationships are formed by a transversal?</p>	<p>8.G.2 (Congruency Transformations)</p> <p>8.G.4 (Similarity Transformations)</p> <p>8.G.1 (Properties of Transformations)</p> <p>8.G.3 (Coordinates and Transformations)</p> <p>8.G.5 (Triangles and Transversal Angles)</p>	<ul style="list-style-type: none"> • Transformation • Congruent • Similar • Translation • Reflection • Rotation • Dilation • Coordinate Plane • Ordered Pair • x-axis • y-axis • Horizontal • Vertical • Degree 	<p>Game Design Performance Task</p> <p>Transformations Summative</p> <p>Angles Summative</p>

			<ul style="list-style-type: none">• Center• Direction• Scale Factor• Interior Angle• Exterior Angle• Supplementary• Right Angle• Parallel Lines• Transversal• Vertical Angles• Corresponding Angles• Alternate Interior Angles• Alternate Exterior Angles	
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