

Grade Math Curriculum Map

Unit Title/ Due Dates / Essential Questions	Core Content & CC Standards	Resources/Materials/ Assessments
<p>Unit 1: The Number System (Chapters 1-3)</p> <p>Essential Questions: How can properties of operations be used to solve real-world problems?; How can you recognize and represent proportional relationships in real-world problems?; How can percent show proportional relationships between quantities?</p>	<p>Core Content: Integers, rational and irrational numbers, proportions, percent</p> <p>CC Standards: 7.NS.A -Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers 7.EE.B -Solve real-life and mathematical problems using numerical and algebraic expressions and equations 7.RP.A-Analyze proportional relationships and use them to solve real-world and mathematical problems</p>	<p>Resources: pearsonrealize.com, mathaids.com, textbook, math-anti videos, deltamath.com</p> <p>Assessment: classwork, homework tests, quizzes, performance task</p>
<p>Unit 2: Equations (Chapter 4 -5)</p> <p>Essential Questions: How can properties of operations help to generate equivalent expressions that can be used in solving problems?; How can you solve real-world and mathematical problems with numerical and algebraic equations and inequalities</p>	<p>Core Content: expressions, equations, and inequalities</p> <p>CC standards: 7.EE.A-Use properties of operations to generate equivalent expressions</p>	<p>Resources: pearsonrealize.com, mathaids.com, textbook, math-anti videos, deltamath.com</p> <p>Assessment: classwork, homework tests, quizzes, performance task</p>

	7.EE.B- Solve real-life and mathematical problems using numerical and algebraic expressions and equations	
<p>Unit 3: Probability (Chapter 6-7)</p> <p>Essential Questions: How can sampling be used to draw inferences about one or more populations; How can you investigate chance processes and develop, use and evaluate probability models?</p>	<p>Core Content: Samples, population, and probability</p> <p>CC Standards: 7.SP.A -Use random sampling to draw inferences about a population. 7.SP.B - Draw informal comparative inferences about two populations 7.SP.C -Investigate chance processes and develop, use, and evaluate probability models 7.RP.A- Analyze proportional relationships and use them to solve real-world and mathematical problems</p>	<p>Resources: pearsonrealize.com, mathaids.com, textbook, math-anti videos, deltamath.com</p> <p>Assessment: classwork, homework tests, quizzes, performance task</p>
<p>Unit 4: Geometry (Chapter 8)</p> <p>Essential Question: How can geometry be used to solve real-world problems? How can angles help us design and create in the real world?</p>	<p>Core Content: Geometry</p> <p>CC Standards: 7. G.A -Draw, construct, and describe geometrical figures and describe the relationships between them</p>	<p>Resources: pearsonrealize.com, mathaids.com, textbook, math-anti videos, deltamath.com</p> <p>Assessment: classwork, homework tests, quizzes, performance task</p>

7.G.B -Solve real-life and mathematical problems involving angle measure, area, surface area, and volume

7.EE.B - Solve real-life and mathematical problems using numerical and algebraic expressions and equations