

CURRICULUM MAP ACCELERATED GRADE 7  
NORTH SMITHFIELD SCHOOL DEPARTMENT

UNIT	COMMON CORE CLUSTERS AND STANDARDS <a href="#">Curriculum Common Core Math Grade7 Accelerated.docx</a>	MATHEMATICAL PRACTICE
<b><u>UNIT 1</u></b>  <b>The Number System</b>	<ul style="list-style-type: none"> <li>Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. 7.NS.1, 2</li> <li>Know that there are numbers that are not rational, and approximate them by rational numbers. 8.NS.1, 2</li> </ul>	<ul style="list-style-type: none"> <li>Make sense of problems and persevere in solving them. MP.1</li> <li>Reason abstractly and quantitatively. MP.2</li> <li>Construct viable arguments and critique the reasoning of others. MP.3</li> <li>Model with mathematics. ★ MP.4</li> <li>Use appropriate tools strategically. MP.5</li> <li>Attend to precision. MP.6</li> <li>Look for and make use of structure. MP.7</li> <li>Look for and express regularity in repeated reasoning. MP.8</li> </ul>
<b><u>UNIT 2</u></b>  <b>Expressions and Equations</b>	<ul style="list-style-type: none"> <li>Use properties of operations to generate equivalent expressions. 7.EE.1, 2</li> <li>Solve real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3, 4</li> <li>Work with radicals and integer exponents. 8.EE.1, 3, 4</li> <li>Understand the connections between proportional relationships, lines, and linear equations. 8.EE.5, 6</li> <li>Analyze and solve linear equations and pairs of simultaneous linear equations. 8.EE.7, 8</li> </ul>	
<b><u>UNIT 3</u></b>  <b>Ratios and Proportions</b>	<ul style="list-style-type: none"> <li>Analyze proportional relationships and use them to solve real-world and mathematical problems. 7.RP.1, 2, 3</li> <li>Draw, construct, and describe geometrical figures and describe the relationships between them. 7.G.1, 2</li> </ul>	
<b><u>UNIT 4</u></b>  <b>Statistics and Probability</b>	<ul style="list-style-type: none"> <li>Analyze proportional relationships and use them to solve real-world and mathematical problems. 7.RP.1</li> <li>Use random sampling to draw inferences about a population. 7.SP.1, 2</li> <li>Draw informal comparative inferences about two populations. 7.SP.3, 4</li> <li>Investigate chance processes and develop, use, and evaluate probability models. 7.SP.5, 6, 7, 8</li> </ul>	
<b><u>UNIT 5</u></b>  <b>Geometry</b>	<ul style="list-style-type: none"> <li>Solve real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3, 4</li> <li>Draw, construct, and describe geometrical figures and describe the relationships between them. 7.G.3, 5</li> <li>Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.4, 6</li> <li>Understand congruence and similarity using physical models, transparencies, or geometry software. 8.G.1, 2</li> <li>Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. 8.G.3</li> </ul>	