

# 3<sup>rd</sup> Grade Scope and Sequence Math

Unit of Study	Central Theme	Essential Question(s)	Resources	Standards
Unit 1: 9/6/16- 10/7/16	Numbers & Operations	<ul style="list-style-type: none"> <li>• How can you add and subtract whole numbers and decide if an answer is reasonable?</li> <li>• How can you use multiplication to find how many in all?</li> <li>• How can you use multiplication facts, place value, and properties to solve multiplication problems?</li> </ul>	Go Math <ul style="list-style-type: none"> <li>• Chapter 1</li> <li>• Chapter 3</li> <li>• Chapter 4</li> <li>• Inside Math-Performance Assessment Task 3 “Adding Numbers</li> <li>• Go Math Chapter Assessments (word problems) used as a teaching tool</li> <li>• Addition, subtraction, multiplication fact fluency sheets ( math drills.com)</li> <li>• <a href="http://www.math-aids.com">www.math-aids.com</a></li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives (polygon shapes, geoboards, Judy Clock etc. )</li> <li>• <a href="http://www.math-aids.com">www.math-aids.com</a></li> <li>• Think Central online resources</li> </ul>	CC.2.1.3.B.1 <ul style="list-style-type: none"> <li>• Apply Place Value understanding and properties of operations to perform multi digit arithmetic.</li> </ul> C.C.2.2.3.A.2 <ul style="list-style-type: none"> <li>• Demonstrate multiplication fluency.</li> </ul> CC.2.2.3.A.4. <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in arithmetic.</li> </ul>

<p>Unit 2: 10/10/16- 11/4/16</p>	<p>Algebraic Concepts</p>	<ul style="list-style-type: none"> <li>• How can you use multiplication to find how many in all?</li> <li>• What strategies can you use to multiply?</li> <li>• How can you use multiplication facts, place value, and properties to solve multiplication problems?</li> <li>• How can you use division to find how many in each group or how many equal groups?</li> <li>• What strategies can you use to divide?</li> </ul>	<p>Go Math</p> <ul style="list-style-type: none"> <li>• Chapter 5</li> <li>• Chapter 6</li> <li>• Chapter 7</li> <li>• Multiplication/Division Fact Fluency sheets <a href="http://www.math-drills.com">www.math-drills.com</a></li> <li>• <a href="http://www.math-aids.com">www.math-aids.com</a></li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives (polygon shapes, geoboards, Judy Clock etc. )</li> <li>• <a href="http://www.math-aids.com">www.math-aids.com</a></li> <li>• Think Central online resources</li> </ul>	<p>CC.2.2.3.A.1</p> <ul style="list-style-type: none"> <li>• Represent and solve problems involving multiplication and division.</li> </ul> <p>C.2.2.3.A.2</p> <ul style="list-style-type: none"> <li>• Understand properties of multiplication and the relationship between multiplication and division.</li> </ul> <p>CC.2.2.3.A.3</p> <ul style="list-style-type: none"> <li>• Demonstrate multiplication and division fluency.</li> </ul> <p>CC.2.2.3.A.4</p> <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in arithmetic.</li> </ul>
<p>Unit 3: 11/9/16- 12/2/16</p>	<p>Measurement /Geometry</p>	<ul style="list-style-type: none"> <li>• How can you use measurement to describe the size of something?</li> <li>• What are some ways to describe and classify two dimensional shapes?</li> </ul>	<p>Go Math</p> <ul style="list-style-type: none"> <li>• Chapter 10</li> <li>• Chapter 12</li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives</li> </ul>	<p>CC.2.3.3.A.1</p> <ul style="list-style-type: none"> <li>• Identify, compare, and classify shapes and their attributes.</li> </ul> <p>CC.2.4.3.A.1</p> <ul style="list-style-type: none"> <li>• Solve problems involving measurement and estimations of temperature, liquid, volume, mass and</li> </ul>

			<p>(polygon shapes, geoboards, Judy Clock etc. )</p> <ul style="list-style-type: none"> <li>• www.math-aids.com</li> <li>• Think Central online resources</li> </ul>	<p>length.</p> <p>CC.2.3.A.4</p> <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in arithmetic.</li> </ul>
<p>Unit 4 12/5/16- 12/22/16</p>	<p>Data and Probability</p>	<ul style="list-style-type: none"> <li>• How can you represent and interpret data?</li> </ul>	<p>Go Math</p> <ul style="list-style-type: none"> <li>• Chapter 2</li> </ul>	<p>CC.2.4.3.A.4</p> <ul style="list-style-type: none"> <li>• Represent and Interpret data using tally charts, tables, pictographs, line plots, and bar graphs.</li> </ul> <p>CC.2.2.3.A.4</p> <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in arithmetic.</li> </ul>
<p>Unit 5 1/3/17- 2/3/17</p>	<p>Numbers and Operations- Fractions; Geometry</p>	<ul style="list-style-type: none"> <li>• How can you use fractions to describe how much or how many?</li> <li>• How can you compare fractions?</li> </ul>	<p>Go Math</p> <ul style="list-style-type: none"> <li>• Chapter 8</li> <li>• Chapter 9</li> <li>• Manipulatives (go – math fraction strips, pieces)</li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives (polygon shapes, geoboards, Judy Clock etc. )</li> <li>• www.math-aids.com</li> <li>• Think Central online</li> </ul>	<p>C.C.2.3.3.A.2</p> <ul style="list-style-type: none"> <li>• Use the understating of fractions to partition shapes into parts with equal areas and express the area of each part as a unit fraction of the whole.</li> </ul> <p>C.C.2.1.3.C.1</p> <ul style="list-style-type: none"> <li>• Explore and develop an understanding of fractions as operations.</li> </ul> <p>C.C.2.2.3.A.4</p> <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in arithmetic.</li> </ul>

			resources	
Unit 6: 2/6/17- 2/24/17	Time and Money	<ul style="list-style-type: none"> <li>• How can you demonstrate your understanding of the measurement of telling time?</li> <li>• What are the standard values of coins and bills and how do you use money in daily life?</li> </ul>	Go Math <ul style="list-style-type: none"> <li>• Chapter 10</li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives (polygon shapes, geoboards, Judy Clock ,coins, etc.)</li> <li>• www.math-aids.com</li> <li>• Think Central online resources</li> <li>• <b>***Money is not covered in Go Math*** Use supplemental resources</b></li> </ul>	C.C.2.4.3.A.2 <ul style="list-style-type: none"> <li>• Tell and write time to the nearest minute and solve problems by calculating time intervals.</li> </ul> C.C.2.4.3.A.3 <ul style="list-style-type: none"> <li>• Solve problems and make change involving money using a combination of coins and bills.</li> </ul> C.C.2.2.3.A.4 <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in arithmetic.</li> </ul>
Unit 7: 2/27/17- 3/31/17	Area/ Perimeter	<ul style="list-style-type: none"> <li>• How can you solve problems involving perimeter and area?</li> </ul>	Go Math <ul style="list-style-type: none"> <li>• Chapter 11</li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives (polygon shapes, geoboards, Judy Clock etc. )</li> <li>• www.math-aids.com</li> <li>• Think Central online resources</li> </ul>	C.C.2.4.3.A.5 <ul style="list-style-type: none"> <li>• Determine the area of a rectangle and apply the concept to multiplication and to addition.</li> </ul> C.C.2.4.3.A.6 <ul style="list-style-type: none"> <li>• Solve problems involving perimeters of polygons and distinguish between linear and area measures.</li> </ul> C.C.2.2.3.A.4 <ul style="list-style-type: none"> <li>• Solve problems involving the four operations and extend patterns in</li> </ul>

				arithmetic.
Unit 8 April: PSSA/Spring Break May-June	Preparing for 4 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>• What information do you need to know to be prepared for 4<sup>th</sup> grade?</li> </ul>	Go Math <ul style="list-style-type: none"> <li>• Getting Reading for 4<sup>th</sup> Grade</li> <li>• Go-Math Re-Teach Black Line Masters</li> <li>• Go-math Enrich Black Line Masters</li> <li>• Manipulatives (polygon shapes, geoboards, Judy Clock etc. )</li> <li>• <a href="http://www.math-aids.com">www.math-aids.com</a></li> <li>• Think Central online resources</li> </ul>	C.C.2.1.3.B.1 C.C.2.1.3.C.1 C.C.2.2.3.A.1 C.C.2.2.3.A.2 C.C.2.2.3.A.3 C.C.2.2.3.A.4 C.C.2.3.3.A.1 C.C.2.3.3.A.2 C.C.2.4.3.A.1 C.C.2.4.3.A.2 C.C.2.4.3.A.3 C.C.2.4.3.A.4 C.C.2.4.3.A.5 C.C.2.4.3.A.6

\*\*\* In order to cover all eligible content before April lessons may need to be combined\*\*\*

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