

# Math Curriculum Map: 3rd Grade

Common Core Performance Standards				
Key Areas of Focus for Mathematics				
Trimester 1 Units 1,2,3,4,7	Trimester 2 Units 3,5,6,7,8	Trimester 3 Units 7,8,9,10,11		
<p style="text-align: center;"><b>Computation</b></p> <p>Demonstrate automaticity with grade 2 addition and subtraction facts.</p> <p style="text-align: center;"><b>Operations and Algebraic Thinking</b></p> <p>Represent and solve problems involving multiplication and division.</p> <p>Identify and explain arithmetic patterns.</p> <p style="text-align: center;"><b>Numbers and Operations in Base Ten</b></p> <p>Understand place value.</p> <p>Fluently add and subtract within 1,000 using place value, algorithms, and properties of operations.</p> <p style="text-align: center;"><b>Numbers and Operations - Fractions</b></p> <p>(Preview 3.NF.1, 2 and 3.)</p> <p style="text-align: center;"><b>Measurement and Data</b></p> <p>Tell time to nearest minute.</p> <p>Solve problems involving time.</p> <p>Represent time on number line.</p> <p>Draw and analyze scaled picture and bar graphs.</p> <p>Understand concepts of area and relate to multiplication.</p> <p style="text-align: center;"><b>Geometry</b></p> <p>(Preview 3.G.1 and 2).</p>	<p style="text-align: center;"><b>Computation</b></p> <p>Demonstrate automaticity with trimester 2 multiplication and division facts.</p> <p style="text-align: center;"><b>Operations and Algebraic Thinking</b></p> <p>Represent and solve word problems involving multiplication and division within 100:</p> <p>Use symbol for the unknown in multiplication and division problems; solve for unknown.</p> <p>Understand properties of multiplication and the relationship between multiplication and division.</p> <p style="text-align: center;"><b>Numbers and Operations in Base Ten</b></p> <p>Round whole numbers to nearest 10 or 100.</p> <p style="text-align: center;"><b>Numbers and Operations - Fractions</b></p> <p>Develop understanding of fractions as numbers.</p> <p style="text-align: center;"><b>Measurement and Data</b></p> <p>Generate measurement data, and create line plot to show measurements (lengths in whole, <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>).</p> <p>Solve problems involving perimeter of polygons and area of rectangles.</p> <p style="text-align: center;"><b>Geometry</b></p> <p>Understand shape classification.</p>	<p style="text-align: center;"><b>Computation</b></p> <p>Demonstrate automaticity with trimester 3 multiplication and division facts.</p> <p style="text-align: center;"><b>Operations and Algebraic Thinking</b></p> <p>Fluently multiply and divide within 100 using strategies.</p> <p>Solve two-step word problems using four operations.</p> <p>Represent word problems using equations with a letter for the unknown.</p> <p>Assess reasonableness of answers using mental computation, estimation, and rounding.</p> <p style="text-align: center;"><b>Numbers and Operations in Base Ten</b></p> <p>Multiply single-digit numbers by multiples of 10 (10-90).</p> <p style="text-align: center;"><b>Numbers and Operations - Fractions</b></p> <p>Understand a fraction as a number on a number line.</p> <p>Represent fractions on a number line.</p> <p>Explain and determine equivalent fractions.</p> <p>Compare fractions.</p> <p>Express whole numbers as fractions.</p> <p style="text-align: center;"><b>Measurement and Data</b></p> <p>Solve problems involving estimation and measurement of liquid volumes (liters) and masses (grams, kilograms).</p> <p>Solve one-step word problems (all operations) involving masses or volumes (same unit).</p> <p style="text-align: center;"><b>Geometry</b></p> <p>Partition shapes into shapes of equal area, and record area as fraction of whole.</p>		
Standards Key				
<b>OA</b> =Operations and Algebraic Thinking, <b>NBT</b> =Number and Operations in Base Ten, <b>NF</b> =Number and Operations-Fractions, <b>MD</b> =Measurement and Data, <b>G</b> =Geometry <b>CM</b> =Computation Multiplication Facts, <b>CD</b> =Computation Division Facts				
Mastery: 3.CA, 3.CS (Grade 2 Addition and Subtraction) 3.OA.1,2,9 3.NBT.2, 3.MD.1,3,5,6,7	Mastery: 3.CM, 3.CD 3.OA.3,4,5,6 3.NBT.1	3.NF.1 3.MD.4,8 3.G.1	Mastery: 3.CM, 3.CD 3.OA.7,8 3.NBT.3	3.NF.2,3 3.MD.2 3.G.2
Standards for Mathematical Practice				
1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics.		5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.		
<b>Math Claims</b> Claim 1: Concepts and Procedures Claim 2: Problem Solving		Claim 3: Communicating Reasoning Claim 4: Modeling and Data Analysis		