

**Second Grade Mathematics Pacing Guide**  
**Missouri Learning Standards**  
**Jennings School District**

Module	Time Frame	Skills	Missouri Learning Standards	Benchmarks/CFA
<b>Module 3</b> Place Value, Counting and Comparing of Numbers to 1,000	<b>First Quarter (25 days)</b>	<b>Place Value (h, t, o)</b> <b>Skip Counting</b> <b>Read and Write Numbers</b> Counting and Comparing of Numbers to 1,000 Add and Subtract within 100	<b>2NBTA1,</b> <b>2NBTA2</b> <b>2NBTA3</b> <b>2NBTA4</b> <b>2NBTA5</b>	<b>Galileo Math #1 10/2020</b>
<b>Module 2</b> Sums and Differences to 100	<b>First and Second Quarter (20 days)</b>	Add and subtract within 100 to solve one- and two- step word problems Add up to four two-digit numbers Add and subtract using models Explain why addition and subtraction strategies work	<b>2RAA1</b> <b>2NBTB6</b> <b>2NBT7</b> <b>2NBTB9</b> <b>2NBTC11</b>	<b>Galileo Math #1 10/2020</b>
<b>Module 5</b> Sums and Differences to 1,000	<b>Second Quarter (15 days)</b>	<b>Fluency with addition and subtractions within 1000 using models</b>  Addition up to four two-digit numbers  Mental math with tens and hundreds to 1000  Solve addition and subtraction word problems within 1000	<b>2NBT7</b> <b>2NBT8</b>	<b>November 2020</b>
<b>Module 6</b> Foundations of Multiplication and Division	<b>Third Quarter (21 days)</b>	Skip count by 2s to 100 Repeat addition with equal groups and expressions Odd-even Arrays	<b>2RAB2a</b> <b>2RAB2b</b> <b>2RAB2C</b> <b>2RAB3</b> <b>2GMA2</b>	<b>February 2021</b>
<b>Module 7</b> Money <b>Module 8</b> Time	<b>Third Quarter (20 days)</b>	Find Values of dollars and coin money using dollar and cent signs Understand the value of a group of coins	<b>2GMD12,</b> <b>2GMD13</b>	<b>February 2021</b>

		<p>Tell time to nearest 5 minute Understand a.m. and p.m. Compare-Contrast digital and analog clocks</p>		
<b>Module 8</b> Geometry	<b>Third Quarter</b> (15 days)	<p>Draw and identify triangles, quadrilaterals, pentagons, hexagons, circles (2 dimensional)</p> <p>Faces of 3-dimensional objects</p>	<b>2GMD10, 2GMD11</b>	<p><b>February 2021</b></p> <p>???? <i>March or April</i> <b>2021</b> ????</p>
<b>Module 8</b> Geometric Shapes and Equal Squares	<b>Fourth Quarter</b> (15 days)	<p>Partition rectangles and circles to find area or equal shares</p>	<b>2GMA1a, 2GMA3a</b>	
<b>Module 2</b> Measurement	<b>Fourth Quarter</b> (15 days)	<p>Select appropriate tool to measure</p> <p>Use different units of measure on same objects</p> <p>Estimate lengths using standard and non-standard measurement</p> <p>Compare measurement lengths</p> <p>Measurement word problems to 100</p> <p>Number line to 100</p>	<b>2GMB4, 2GMB5, 2GMB6, 2GMB7, 2GMB8, 2GMB9</b>	
<b>Module 7</b> Data and Statistics	<b>Fourth Quarter</b> (25 days)	<p>Create and understand line plots, picture, and bar graphs</p> <p>Data word problems</p> <p>Draw conclusions from data</p>	<b>2DSA1, 2DSA2, 2DSA3, 2DSA4, 2DSA5</b>	

# Third Grade Mathematics

## Grade-Level Expectations Version 2.0

Expectations coded with an asterisk \*, indicate it should be assessed at the local level.

### Power Standards

#### Number and Operations

- **N1A3** Read, write, and compare whole numbers up to 10,000
- **N1B3** \*Represent halves, thirds and fourths.
- **N1C3** Recognize equivalent representations for the same number and generate them by decomposing and composing numbers including expanded notation.
- **N1D3** Classify numbers by their characteristics, including odd and even.
- **N2A3** \*Represent/model a given situation involving multiplication and related division using various models including sets, arrays, areas, repeated addition/subtraction, sharing and partitioning.
- **N2B3** \*Describe the effects of adding and subtracting whole numbers as well as the relationship between the two operations.
- **N3A3** \* Represent a mental strategy used to compute a given multiplication problem up to  $9 \times 9$ .
- **N3B3** Use strategies to develop fluency with basic number relationships ( $9 \times 9$ ) of multiplication and division.
- **N3C3** Apply and describe the strategy used to compute up to a 3-digit addition or subtraction problem.
- **N3D3** Estimate and justify sums and differences of whole numbers.

#### Algebraic Relationships

- **A1A3** Extend geometric (shapes) and numeric patterns to find the next term.
- **A1B3** Represent patterns using words, tables, or graphs.
- **A2A3** Using all operations, represent a mathematical situation as an expression or number sentence.
- **A2B3** Use the commutative, distributive and associative properties for basic facts of whole numbers.
- **A3A3** \*Model problem situations including multiplication with objects or drawings.
- **A4A3** \*Describe quantitative change, such as students growing two inches a year.

#### Geometric and Spatial Relationships

- **G1A3** Compare and analyze two dimensional shapes by describing their attributes (circle, rectangle, rhombus, trapezoid and triangle).
- **G1C3** \*Predict the results of putting together or taking apart two- and three-dimensional shapes.
- **G2A3** \*Describe location using common language and geometric vocabulary (forward, back, left, right, north, south, east, west)
- **G3A3** Determine if two objects are congruent through a slide, flip, or turn.
- **G3C3** Identify lines of symmetry in polygons.

#### Measurement

- **M1A3** \*Identify and justify the appropriate unit of measure (linear, time, weight)
- **M1C3** Tell time to the nearest five minutes.
- **M1D3** Determine change from \$5.00 and add and subtract money values to \$5.00
- **M2A3** \*Use a referent for measures to make comparisons and estimates.
- **M2C3** Determine the perimeter of polygons.

#### Data and Probability

- **D1A3** \*Design investigations to address a given question
- **D1C3** Read and interpret information from line plots and graphs (bar, line, pictorial).
- **D2A3** \*Describe the shape of data and analyze it for patterns.
- **D3A3** \*Discuss events related to students' experiences as likely or unlikely.