

## Second Grade Mathematics Scope & Sequence

1 <sup>st</sup> Quarter (9 weeks) 8/14/19-10/10/19	2 <sup>nd</sup> Quarter (9 weeks) 10/15/19-12/19/19
<ul style="list-style-type: none"> <li>❖ <b>Unit 0: SEL/Problem Solving Process (5 days: Aug. 14 - Aug. 20)</b> <ul style="list-style-type: none"> <li>➤ <b>Important Concepts:</b> <ul style="list-style-type: none"> <li>▪ Social &amp; Emotional Learning</li> <li>▪ Problem Solving Process/Number Talks</li> <li>▪ Set up Math Journals</li> </ul> </li> <li>➤ Processing TEKS: 2.1(A), 2.1(B), 2.1(D), 2.1(E)</li> </ul> </li>   <li>❖ <b>Unit 1: Foundation of Numbers and Number Relationships up to 3-digit numbers and Money (10 days: Aug. 21 - Sept. 5)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: to understand how to represent and compare whole numbers</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ represent, compose, decompose, and compare numbers up to 99</li> <li>▪ intro to the dollar and ways to name amounts</li> <li>▪ determine the value of coins up to a dollar</li> </ul> </li> <li>➤ Readiness TEKS: 2.2(B), 2.2(D), 2.5(A)</li> <li>➤ Supporting TEKS: 2.2(A), 2.2(E), 2.2(F), 2.5(B)</li> <li>➤ Spiraling TEKS: 1.5(D)</li> </ul> </li>   <li>❖ <b>Unit 2: Addition and Subtraction without Algorithms up to 99, Time to the Minute, and Data Analysis (20 days: Sept. 6 - Oct. 7)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: whole number computations; introduction to the dollar; to organize data to make it useful for interpreting information and solving problems</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ add and subtract 2 digit numbers using mental strategies</li> <li>▪ solve problems within 99 using addition and subtraction</li> <li>▪ read and write time to the nearest one-minute</li> <li>▪ representing and interpreting Data</li> </ul> </li> <li>➤ Readiness TEKS: 2.4(C), 2.9(G), 2.10(C)</li> <li>➤ Supporting TEKS: 2.4(B), 2.10(A), 2.10(B), 2.10(D)</li> <li>➤ Spiraling TEKS: 2.2(D) (up to 3-digits)</li> </ul> </li> </ul> <p style="text-align: center; margin-top: 20px;"><b>Processing Standards: 2.1 A-G Taught Throughout</b></p>	<ul style="list-style-type: none"> <li>❖ <b>Unit 3: Foundation of Numbers and Number Relationships up to 1,200 (22 days: Oct. 15 - Nov. 15)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: to understand how to represent and compare whole numbers</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ represent numbers up to 1,200</li> <li>▪ compose, decompose up to 1,200</li> <li>▪ compare numbers up to 1,200</li> </ul> </li> <li>➤ Supporting TEKS: 2.2(C), 2.7(A), 2.7(B), 2.7(C)</li> <li>➤ Continuing TEKS: 2.2(B), 2.2(D), 2.2(A), 2.4(A), 2.2(E), 2.2(F)</li> <li>➤ Spiraling TEKS: 2.9(G)</li> </ul> </li>   <li>❖ <b>Unit 4: Addition and Subtraction without Algorithms up to 1,000 (12 days: Dec. 3 - Dec. 18)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: whole number computations</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ add up to 4 two-digit numbers and subtract 2 two-digit numbers using mental strategies</li> <li>▪ generate and solve problems within 1,000 using addition and subtraction</li> </ul> </li> <li>➤ Continuing TEKS: 2.4(C), 2.4(A), 2.4(B), 2.5(A), 2.5(B)</li> <li>➤ Spiraling TEKS: 2.7(C)</li> </ul> </li> </ul> <p style="text-align: center; margin-top: 20px;"><b>Processing Standards: 2.1 A-G Taught Throughout</b></p>

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3 <sup>rd</sup> Quarter (9 weeks) 1/7/20-3/20/20	4 <sup>th</sup> Quarter (9 weeks) 3/23/20-5/27/20
<ul style="list-style-type: none"> <li>❖ <b>Unit 0: SEL (5 days: Jan. 7 - Jan. 13)</b> <ul style="list-style-type: none"> <li>➤ <b>Important Concepts:</b> <ul style="list-style-type: none"> <li>▪ Social &amp; Emotional Learning</li> <li>▪ Problem Solving Process/Number Talks</li> <li>▪ Set up Math Journals</li> </ul> </li> <li>➤ Processing TEKS: 2.1(A), 2.1(B), 2.1(D), 2.1(E)</li> </ul> </li>   <li>❖ <b>Unit 5: Addition and Subtraction with Algorithms and Financial Literacy (20 days: Jan. 14 - Feb. 11)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: whole number computations; to identify and apply number patterns</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ recall basic facts within 20 with automaticity</li> <li>▪ add and subtract 2 digit numbers using mental strategies</li> <li>▪ solve problems within 1,000 using addition and subtraction</li> <li>▪ managing financial resources and calculate money</li> </ul> </li> <li>➤ Readiness TEKS: 2.4(D)</li> <li>➤ Supporting TEKS: 2.11(A), 2.11(B), 2.11(C), 2.11(D), 2.11(E), 2.11(F)</li> <li>➤ Continuing TEKS: 2.4(C), 2.4(A), 2.4(B), 2.7(C)</li> <li>➤ Spiraling TEKS: 2.2(D)</li> </ul> </li>   <li>❖ <b>Unit 6: Contextual Multiplication and Division (10 days: Feb. 18 - Mar. 2)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: to connect repeated addition and subtraction to multiplication and division situations that involve equal groupings and shares</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ model, create, and describe contextual situations that represent division and multiplication</li> <li>▪ find the area of a rectangle</li> </ul> </li> <li>➤ Supporting TEKS: 2.6(A), 2.6(B), 2.9(F)</li> <li>➤ Spiraling TEKS: 2.4(D)</li> </ul> </li> </ul> <p style="text-align: center;"><b>Processing Standards: 2.1 A-G Taught Throughout</b></p>	<ul style="list-style-type: none"> <li>❖ <b>Unit 7: Fractions (10 days: Mar 23 - Apr. 3)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: to recognize and represent fractional units and communicates how they are used to name parts of a whole</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ Fractional Parts</li> <li>▪ Partition Objects</li> <li>▪ Unit Fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, and <math>\frac{1}{8}</math></li> </ul> </li> <li>➤ Readiness TEKS: 2.3(B)</li> <li>➤ Supporting TEKS: 2.3(A), 2.3(C), 2.3(D), 2.8(E)</li> <li>➤ Spiraling TEKS: 2.6(A), 2.6(B)</li> </ul> </li>   <li>❖ <b>Unit 8: Two-Dimensional Shapes &amp; Three-Dimensional Solids/Measurement (20 days: Apr. 13 - May 8)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: standards to analyze attributes of two-dimensional shapes and three-dimensional solids to develop generalizations about their properties; to select appropriate units to describe length</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ Two- and Three-Dimensional Figures</li> <li>▪ determine the length of an object</li> </ul> </li> <li>➤ Readiness TEKS: 2.8(C), 2.8(B), 2.9(E)</li> <li>➤ Supporting TEKS: 2.8(A), 2.8(D), 2.9(A), 2.9(B), 2.9(C), 2.9(D)</li> <li>➤ Continuing TEKS: 2.8(E)</li> <li>➤ Spiraling TEKS: 2.3(B)</li> </ul> </li>   <li>❖ <b>Unit 9: Step up to 3rd Grade (5 Days: May 18 - May 22)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: misconceptions/gaps</li> <li>➤ Important Concepts:           <ul style="list-style-type: none"> <li>▪ foundations of numbers/place value to the 1000</li> <li>▪ adding and subtracting</li> <li>▪ fractions and measurement</li> </ul> </li> <li>➤ Continuing TEKS: 2.2(B), 2.2(D), 2.4(C), 2.4(D), 2.3(C)</li> </ul> </li> </ul> <p style="text-align: center;"><b>Processing Standards: 2.1 A-G Taught Throughout</b></p>