

## MATHEMATICS – GRADE 2 CONCEPTS BY QUARTER

During the 2<sup>nd</sup> grade year, your child will encounter the following skills and concepts in the **Mathematics** Classroom:

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
<b>PROBLEM SOLVING</b>	<ul style="list-style-type: none"> <li>Look for and make use of structure</li> <li>Attend to precision</li> <li>Use appropriate tools strategically</li> <li>Make sense of problems and persevere in solving them</li> <li>Model with mathematics</li> </ul>			
<b>MATHEMATICAL COMMUNICATION</b>	<ul style="list-style-type: none"> <li>Construct viable arguments and critique the reasoning of others</li> <li>Reason abstractly and quantitatively</li> <li>Look for and express regularity in repeated reasoning</li> </ul>			
<b>NUMBERS AND OPERATIONS</b>	<b>Place Value</b> <ul style="list-style-type: none"> <li>Read</li> <li>Write</li> <li>Skip Count</li> <li>Tens and Ones</li> <li>Compare 3 digit numbers</li> </ul>	<b>Place Value/ Properties of Operations</b> <ul style="list-style-type: none"> <li>Addition/ Subtraction</li> </ul>	→	<b>Multiplication</b> <ul style="list-style-type: none"> <li>Equal groups as a foundation for multiplication</li> </ul>
<b>OPERATIONS &amp; ALGEBRAIC THINKING</b>	<b>Addition/ Subtraction</b> <ul style="list-style-type: none"> <li>Solve problems involving addition/ subtraction</li> <li>Use mental strategies to add and subtract</li> </ul>	<b>Addition/ Subtraction</b> <ul style="list-style-type: none"> <li>Solve problems involving addition/ subtraction</li> </ul>	→	
<b>GEOMETRY</b>	N/A	N/A	N/A	<b>Shapes</b> <ul style="list-style-type: none"> <li>2D shapes</li> <li>3D shapes</li> </ul> <b>Fractions</b> <ul style="list-style-type: none"> <li>Halves, quarters, and thirds.</li> </ul>
<b>MEASUREMENT &amp; DATA</b>	N/A	N/A	<b>Time</b> <ul style="list-style-type: none"> <li>Write time to nearest 5 min.</li> </ul> <b>Money</b> <ul style="list-style-type: none"> <li>Make change</li> </ul> <b>Measurement</b> <ul style="list-style-type: none"> <li>Measure and estimate lengths</li> <li>Extend concepts of addition and subtraction to problems involving length</li> </ul>	<b>Data</b> <ul style="list-style-type: none"> <li>Line plots</li> <li>Picture graphs</li> <li>Bar graphs</li> <li>Tally charts</li> </ul>

*Skills are on-going; the concepts are listed in the quarter they are introduced.*