

## MATHEMATICS – GRADE K CONCEPTS BY QUARTER

During the Kindergarten 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>	<ul style="list-style-type: none"> <li>Represent, count, write and compare numbers to 5</li> <li>Represent, count, write and compare numbers to 10</li> </ul>	<ul style="list-style-type: none"> <li>Add and subtract within 10</li> <li>Represent, count, and write 11 to 19</li> </ul>	<ul style="list-style-type: none"> <li>Represent, count and write 20 and beyond</li> </ul>	→
<b>OPERATIONS &amp; ALGEBRAIC THINKING</b>	N/A			
<b>GEOMETRY</b>	N/A	N/A	<ul style="list-style-type: none"> <li>Use models for both two and three dimensional shapes to describe circle, square, triangle, rectangle, hexagon, sphere, cube, cylinder, and cone. Use models to describe above, below, beside, next to, in front of and behind</li> </ul>	→
<b>MEASUREMENT &amp; DATA</b>	N/A	N/A	N/A	<ul style="list-style-type: none"> <li>Compare length, height, and weight</li> <li>Classify objects by color, shape, size</li> <li>Create graphs using objects and read a graph</li> </ul>

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