

KG2 Unit 3 Math Scope and Sequence 2016/2017

Time frame	Unit Name	Enduring Understandings	Knowledge	Skills
12 weeks	<p>Unit 3: The Natural World</p> <p>Theme 1: Number and Operations Theme 2: Algebra Theme 4: Geometry Theme 5: Data Analysis and Probability Theme 6 : Measurement Theme 7: Process Standards</p> <p>Main Idea: Math is everywhere, and numbers, shapes, colors and signs all have specific attributes.</p> <p>Unit Question: How is math used in daily life?</p> <p>Learner Profile: Communicators Reflective</p> <p>Performance Based Assessment Task:</p>	<p>THEME: <i>Number and Operations</i></p> <p>1. Numbers represent a set quantity.</p> <p><i>Algebra</i></p> <p>2. There are rules that govern patterns and classifications</p> <p>3. Mathematic symbols represent information or actions that need to be taken</p>	<p>K1.1 Each number has its own shape and form.</p> <p>K1.2 Numbers have a specific order and can be rote counted.</p> <p>K1.3 Each number always represents the same quantity.</p> <p>K1.4 A number is represented by an amount of objects.</p> <p>K1.5 Ordinal numbers represent a specific order.</p> <p>K1.6 Numbers can be written in word form.</p> <p>K2.1 A pattern is a repeated design.</p> <p>K2.2 Patterns can be either repeating patterns or growing patterns.</p> <p>K2.3 Objects can be sorted and classified depending on their attributes.</p> <p>K3.1 Addition is the process of adding two numbers together to get a total.</p> <p>K3.2 Subtraction is the process of taking away a number from another number.</p> <p>K3.3 There are symbols to represent greater than / less than.</p> <p>K3.4 Qualitative changes occur over time and are fairly predictable, and quantitative change incorporates more precise numeric language.</p>	<p>S1.1 Identify and recognize numbers 0-30, and write numbers 0-20.</p> <p>S1.2 Fill in missing numbers, and rote count to 50.</p> <p>S1.3 Use one-to-one correspondence to arrange and compare sets, and quantify given numbers.</p> <p>S1.4 Quantifies numbers 1-20.</p> <p>S1.5 Understands and uses ordinal numbers.</p> <p>S1.6 Connect number words and numerals to their quantities.</p> <p>S2.1 Predict, extend, complete and create a simple pattern.</p> <p>S2.2 Analyze how both repeating and growing patterns are generated.</p> <p>S2.3 Sort and classify objects according to size and color.</p> <p>S3.1 Completes additions sums.</p> <p>S3.2 Completes subtraction sums.</p> <p>S3.3 Complete greater than / less than equations.</p> <p>S3.4 Describes qualitative and quantitative change</p>

		<p><i>Geometry</i> 4. Shapes have specific attributes</p> <p><i>Data Analysis and Probability</i> 5. Data can be collected, organized and displayed in different ways</p> <p><i>Measurement</i> 6. Objects and units can be measured in a variety of ways</p> <p><i>Process Standards</i> 7. Math is everywhere and Math knowledge and skills can be used to solve problems in a variety of settings and real life experiences</p>	<p>K4.1 Each shape has a specific form, shape and number of sides. K4.2 Shapes can be manipulated in different ways. K4.3 Objects positions can be described by their place in space.</p> <p>K5.1 Objects can be counted and represented with a number or picture of the same number of objects. K5.2 A graph is a visual way to organize collected data. K5.3 Data can be collected by asking questions and gathering information.</p> <p>K6.1 Objects and units can be measured in a variety of ways. K6.2 Time can be measured in units of hours, minutes and seconds.</p> <p>K7.1 Problems can be solved using a variety of methods and this can be communicated and connected to the world.</p>	<p>S4.1 Identify, name and draw the taught 2D and 3D shapes. S4.2 Recognize and apply slides, flips and turns to shapes. S4.3 Describe, name and interpret relative positions in space.</p> <p>S5.1 Count out given objects and write the corresponding number or draw the same number of objects. S5.2 Complete a class graph and discuss the data collected. S5.3 Pose questions and gather data about themselves and their surroundings.</p> <p>S6.1 Participates in measuring objects using standard and non-standard units of measurement. S6.2 Learns to tell time to the hour.</p> <p>S7.1 Communicate reasoning when problem solving simple tasks and recognize and make connections with the world.</p>
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