

Math-Kindergarten

Content/ Month	Skills	Assessment	Vocabulary Specific to Unit	Essential Questions
<p>MATH READINESS</p> <ul style="list-style-type: none"> • <u>Calendar</u> • <u>Number Sense</u> • <u>Patterning</u> • <u>Graphing</u> • <u>Place Value</u> 	<ul style="list-style-type: none"> • Identify and sequence days of the week • Explore the uses of “yesterday”, “today”, and “tomorrow” • Introduce: months of the year • Count and identify numbers in sequence • Introduce number line to count days in school • Use number line to skip count and solve problems • Identify and create a pattern • Create a weather graph • Introduce place value (ones, tens, hundreds) 	<ul style="list-style-type: none"> • Teacher observation 	<p>days of week, months of year, yesterday, today, tomorrow</p>	

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<p>POSITION AND CLASSIFICATION</p> <ul style="list-style-type: none"> • <u>Positioning</u> • <u>Sorting</u> • <u>Problem Solving</u> 	<ul style="list-style-type: none"> • Identify the following locations: top, middle, bottom, above, below, before, after, between, left, right, inside, outside, over, and under • Identify objects as the same or different by color, shape, or size • Solve problems by making decisions • Solve problems by using logical reasoning 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>top, middle, bottom, on, above, below, before, after, between, left, right, inside, outside, over, under</p>	
<p>SORTING AND GRAPHING</p> <ul style="list-style-type: none"> • <u>Sorting</u> • <u>Comparing</u> 	<ul style="list-style-type: none"> • Sort by single attribute (color, size, or shape) • Resort the same object using a different attribute • Match objects one-to-one • Identify groups using the terms fewer, more than, less than, greater than, as many as, equal 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>fewer, more than, less than, greater than, as many as, equal</p>	

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SORTING AND GRAPHING (cont.) • <u>Problem Solving</u> • <u>Graphing</u>	• Solve problems by using logical reasoning • Make and read a real object graph/pictograph • Solve problems using data from real objects graph/ pictograph			

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<p>PATTERNS</p> <ul style="list-style-type: none"> • <u>Patterning</u> • <u>Problem Solving</u> 	<ul style="list-style-type: none"> • Identify and copy (repeat) patterns • Identify and continue patterns with two, then three elements • Create patterns with two, then three elements • Solve problems by looking for a pattern • Describe two and three element patterns in different ways • Describe identical patterns and show them in different modes • Solve problems by prediction 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>pattern, repeat, next</p>	
<p>NUMBERS 0-10</p> <ul style="list-style-type: none"> • <u>Number Sense</u> 	<ul style="list-style-type: none"> • Count to 10, forward and backwards • Identify, make, and count groups for 6-10 • Recognize the numbers 6-10 • Identify groups 6-10 • Write numbers 6-10 • Identify sequence of groups 0-10 • Compare groups of 0-10 • Identify ordinal positions 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>more, fewer, count</p>	

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<p>NUMBERS 0-10 (cont.)</p> <ul style="list-style-type: none"> • <u>Problem Solving</u> 	<ul style="list-style-type: none"> • Draw pictures to represent numbers 6-10 • Solve problems by using data from pictures • Solve problems by using guess and check 			
<p>MEASUREMENT</p> <ul style="list-style-type: none"> • <u>Length Measurement</u> • <u>Problem Solving</u> 	<ul style="list-style-type: none"> • Compare two objects with string or paper strips that are: longer, taller, shorter, longest, tallest, shortest, or about the same • Introduce: the use of nonstandard units for measurement, capacity and weight • Solve problems about length by using objects 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>longer, taller, shorter, longest, tallest, shortest, about the same</p>	

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<p>GEOMETRY</p> <ul style="list-style-type: none"> • <u>Geometric Shapes</u> • <u>Problem Solving</u> • <u>Positioning</u> 	<ul style="list-style-type: none"> • Name and identify attributes of: squares, rectangles, circles, and triangles • Name and identify attributes of: rectangular prisms, cylinders, cones, and spheres • Sort shapes and solids by attributes (including size) • Create shapes from faces of solid • Solve problems by using objects • Solve problems by drawing a picture • Introduce: horizontal and vertical orientation of objects 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>geometry, squares, rectangles, circles, triangles, rectangular prisms, cylinders, cones, spheres, horizontal, vertical</p>	
<p>TIME AND MONEY</p> <ul style="list-style-type: none"> • <u>Money</u> • <u>Telling Time</u> 	<ul style="list-style-type: none"> • Identify penny, nickel, and dime • Place an event in logical order using 3 steps • Identify before and after • Introduce: features of a clock, values of coins 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>before, after</p>	

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<p>ADDITION AND SUBTRACTION</p> <p><u>Problem Solving</u></p> <p><u>Comparing Numbers</u></p> <p><u>Computation</u></p>	<ul style="list-style-type: none"> • Join and separate groups of objects • Solve problems by using logical reasoning • Write to answer joining and separating questions • Solve problems by choosing an operation • Compare groups • Add and subtract using numerals 0-10 	<ul style="list-style-type: none"> • Teacher observation • K Performance Assessment 	<p>add, subtract, joining, separating, in all, how many are left, how many</p>	