Kindergarten Math
1st Nine Weeks

Math Year at a Glance:

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
Geometry Sorting Positions Patterns Counting	Positions Counting Compare Numbers Addition Measurement	Measurement Larger Numbers Addition Subtraction	Larger Numbers Subtraction Money Graphing Fractions / Ordinals Time

*Bolded standards are assessed at the end of the grading period.

Geometry
K.G.A.1 **Describe objects in the environment using names of shapes.** Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to. K.G.A.2 **Correctly name shapes regardless of their orientations or overall size.** K.G.A.3 **Identify shapes as two-dimensional or three-dimensional.** K.G.B.4 **Describe similarities and differences between two- and three-dimensional shapes, in different sizes and orientations.** K.G.B.5 **Model shapes in the world by building and drawing shapes.** K.G.B.6 **Compose larger shapes using simple shapes and identify smaller shapes within a larger shape.**

Sorting and Classifying
K.G.A.1 **Describe objects in the environment using names of shapes.** Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to. K.G.A.3 **Identify shapes as two-dimensional or three-dimensional.** K.MD.C.4 Sort a collection of objects into a given category, with 10 or less in each category. Compare the categories by group size.

Position and Location

K.G.A.1 **Describe objects in the environment using names of shapes.** Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to.

Patterns

K.G.A.1 **Describe objects in the environment using names of shapes.** Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to.

K.CC.B.4 Understand the relationship between numbers and quantities; connect counting to cardinality.
   a. When counting objects, say the number names in the standard order, using one-to-one correspondence. Recognize that the last number name said tells the number of objects counted.
   b. The number of objects is the same regardless of their arrangement or the order in which they were counted.
   c. Recognize that each successive number name refers to a quantity that is one greater.

Counting

K.CC.A.1 **Count to 100 (0-25 assessed)** by ones, fives, and tens. **Count backward from 10.**

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2nd Nine Weeks

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Counting
K.CC.A.1 **Count to 100 by ones (0-50 assessed),** fives, and tens. Count backward from 10.
K.CC.A.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).
K.CC.A.3 **Write numbers from 0 to 20 (0-10 assessed). Represent a number of objects with a written numeral 0-20 (0-10 assessed).**
K.CC.B.4 Understand the relationship between numbers and quantities; connect counting to cardinality.

  a. When counting objects, say the number names in the standard order, using one-to-one correspondence. Recognize that the last number name said tells the number of objects counted.
  b. The number of objects is the same regardless of their arrangement or the order in which they were counted.
  c. Recognize that each successive number name refers to a quantity that is one greater.

K.CC.B.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, a circle, or as many as 10 things in a scattered configuration. **Given a number from 1-20, count out that many objects (1-10 assessed).**

K.OA.A.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations.

K.OA.A.3 Decompose numbers less than or equal to 10 into addend pairs in more than one way (e.g., 5 = 2 + 3 and 5 = 4 + 1) by using objects or drawings. Record each decomposition using a drawing or writing an equation.

Comparing Numbers
K.CC.B.4c Recognize that each successive number name refers to a quantity that is one greater.
K.CC.C.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.
K.CC.C.7 **Compare two given numbers up to 10, when written as numerals, using the terms greater than, less than, or equal to.**
K.MD.C.4 Sort a collection of objects into a given category, with 10 or less in each category. Compare the categories by group size.

Measurement
K.MD.A.1 **Describe measurable attributes of objects, such as length or weight.** Describe several measurable attributes of a single object.

Addition
K.OA.A.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations. K.OA.A.2 Add and subtract within 10 to solve contextual problems using objects or drawings to represent the problem. K.OA.A.3 Decompose numbers less than or equal to 10 into addend pairs in more than one way (e.g., 5 = 2 + 3 and 5 = 4 + 1) by using objects or drawings. Record each decomposition using a drawing or writing an equation. K.OA.A.4 Find the number that makes 10, when added to any given number, from 1 to 9 using objects or drawings. Record the answer using a drawing or writing an equation. K.OA.A.5 Fluently add and subtract within 10 using mental strategies.

Position and Location
K.G.A.1 Describe objects in the environment using names of shapes. **Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to.**

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Measurement
K.MD.A.1 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. K.MD.A.2 Directly compare two objects with a measurable attribute in common, to see which object has more of/less of the attribute, and describe the difference. *For example, directly compare the heights of two children and describe one child as taller/shorter.*

Larger Numbers

K.CC.A.1 **Count to 100 by ones (0-75 assessed),** fives, and **tens**. Count backward from 10.
 	
K.CC.A.2 **Count forward beginning from a given number within the known sequence (instead of having to begin at 1).**
 	
K.CC.A.3 **Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20.**
 	
K.CC.B.4 Understand the relationship between numbers and quantities; connect counting to cardinality.
a.   When counting objects, say the number names in the standard order, using one-to-one correspondence. Recognize that the last number name said tells the number of objects counted.
  b. The number of objects is the same regardless of their arrangement or the order in which they were counted.
  c. Recognize that each successive number name refers to a quantity that is one greater.
 	
K.CC.B.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, a circle, or as many as 10 things in a scattered configuration. **Given a number from 1-20, count out that many objects. (1-20 assessed)**
 	
K.CC.C.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.
 	
K.NBT.A.1 Compose and decompose numbers from 11 to 19 into ten ones and some more ones by using objects or drawings. Record the composition or decomposition using a drawing or by writing an equation.

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Addition & Subtraction

K.OA.A.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations.

K.OA.A.2 **Add** and subtract **within 10 to solve contextual problems using objects or drawings to represent the problem.**

K.OA.A.3 Decompose numbers less than or equal to 10 into addend pairs in more than one way (e.g., 5 = 2 + 3 and 5 = 4 + 1) by using objects or drawings. Record each decomposition using a drawing or writing an equation.

K.OA.A.4 Find the number that makes 10, when added to any given number, from 1 to 9 using objects or drawings. Record the answer using a drawing or writing an equation.

K.OA.A.5 **Fluently add** and subtract **within 10** using mental strategies.

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Larger Numbers

K.CC.A.1 **Count to 100 by ones (0-100 assessed), fives**, and tens. Count backward from 10.

K.CC.A.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).

K.CC.A.3 Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20.

K.CC.B.4 Understand the relationship between numbers and quantities; connect counting to cardinality.
   a. When counting objects, say the number names in the standard order, using one-to-one correspondence. Recognize that the last number name said tells the number of objects counted.
   b. The number of objects is the same regardless of their arrangement or the order in which they were counted.
   c. Recognize that each successive number name refers to a quantity that is one greater.

K.CC.B.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, a circle, or as many as 10 things in a scattered configuration. Given a number from 1-20, count out that many objects.

K.CC.C.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.

K.NBT.A.1 Compose and decompose numbers from 11 to 19 into ten ones and some more ones by using objects or drawings. Record the composition or decomposition using a drawing or by writing an equation.

Subtraction

K.OA.A.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations.

K.OA.A.2 Add and **subtract within 10 to solve contextual problems using objects or drawings to represent the problem.**

K.OA.A.3 **Decompose numbers less than or equal to 10 into addend pairs in more than one way (e.g., 5 = 2 + 3 and 5 = 4 + 1) by using objects or drawings. Record each decomposition using a drawing or writing an equation.**

K.OA.A.4 **Find the number that makes 10, when added to any given number, from 1 to 9 using objects or drawings. Record the answer using a drawing or writing an equation.**

K.OA.A.5 **Fluently** add and **subtract within 10** using mental strategies.

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Money
K.MD.B.3 **Identify the penny, nickel, dime, and quarter and recognize the value of each.**

Graphing
K.CC.C.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group. K.MD.C.4 Sort a collection of objects into a given category, with 10 or less in each category. Compare the categories by group size.

Content to Prepare for Future Study or to enrich the Curriculum:

Fractions and Ordinals
Extends K.CC.A.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).

Time
Prepares for 1.MD.B.3 Tell and write time in hours and half-hours using analog and digital clocks.