Math Expressions Kindergarten Pacing Calendar and Standards Alignment

-Non-Math Teaching Days

First Introduction of Standard

Instructional Days	1	2	3	4	5			6	7	8	9	10			11	12	13	14	15			16	17	18	19	20			21	22	23
Sept.															Unit 1							Unit 1								
Oct.	Unit 1							Unit 1							Unit 1							Unit 1 Test							Unit 2		
Nov.	Unit 2							Unit 2							Unit 2							Unit 2									
Dec.	Unit 2							Unit 2							Unit 2 Test							Unit 3									
Jan.			Unit 3					Unit 3							Unit 3							Unit 3							Unit 3		
Feb.	Unit 3							Unit 3							Unit 3 Test							Unit 4									
March	Unit 4							Unit 4							Unit 4							Unit 4									
April	Unit 4							Unit 4 Test							Unit 5							Unit 5									
May	Unit 5							Unit 5							Unit 5							Unit 5									
June	Unit 5 Test																													

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Understand Numbers 1 – 10 Children develop counting and cardinality skills for 1-10. By using objects and making drawings they represent numbers and develop perceptual subitizing. Children learn to write the numbers 1- 10. Addition and subtraction within 5 is introduced and numbers through 10 compared. Children learn to identify circles, squares, and rectangles and use attributes to sort and compare these two-dimensional shapes.	**5- Groups in Numbers 6- 10** Children continue their study of numbers from 1 to 10 and simple shapes. They build on their knowledge of numbers 1 through 10 to understand the numbers 6- 10 as composed of a 5-group and some ones. They explore number order, the +1 and -1 relationships, and partners for the numbers 1- 10. Children learn to use the attributes of triangles and hexagons.	**Teen Numbers as Tens and Ones** Children develop counting and cardinality skills for numbers 11- 20 and learn to show teen numbers as tens and some more ones. They deepen their understanding of addition and subtraction, develop conceptual subitizing and fluency with 5, tell and solve addition and subtraction story problems, and show expressions that represent the problems. Children compose new shapes with two-dimensional shapes.	**Partners, Problem Drawings, and Tens** Children continue to develop skills with addition and subtraction, telling story problems and representing them with drawings, expressions, and equations. Children decompose numbers within 10 by finding partners. Children identify, describe, and name three-dimensional shapes including cubes, cones, cylinders, and spheres as well as describe relative positions of shapes.	**Consolidation of Concepts** Children deepen their understanding of addition and subtraction story problems, analysing problems and solutions. They compare groups and numerals. Children are introduced to and compare the measureable attributes of length, height, weight, and capacity.

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First Introduction of Standard

Understand Numbers 1 – 10	5- Groups in Numbers 6- 10	Teen Numbers as Tens and Ones	Partners, Problem Drawings, and Tens	Consolidation of Concepts
Cluster: Count to tell the number of objects Big Idea #1- Counting and Cardinality 1- 5 K.CC.B.4.a and b **Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.** Big Idea #2- Adding, Subtracting, and Comparing Through 5 K.CC.A.2 K.CC.B.4.a and b K.CC.C.6 K.OA.A.1 K.G.A.1 K.G.A.2 K.G.A.3 K.G.B.4 K.G.B.5 K.MD.B.3 **Cluster: Know number names and the count sequence** Big Idea #3- Show Number 1- 10 K.CC.A.3 K.CC.B.4.a and b K.CC.B.5 K.CC.C.6 K.OA.A.1 K.OA.A.2 **Cluster: Compare numbers** Big Idea #4- Practice Numbers 1 Through 10 K.CC.A.1 K.CC.B.4.a and b K.CC.A.3 K.CC.B.5 K.CC.C.6 K.G.A.1 K.G.A.2 K.G.A.3 K.G.B.4 K.G.B.5	**Cluster: Count to tell the number of objects** Big Idea #1- Using 5-Groups K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.a and b K.CC.4.c K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.5 **Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from** Big Idea #2- K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.a and b and c K.CC.B.5 K.CC.C.6 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 **Cluster: Count to tell the number of objects** Big Idea #3- Practice Numbers 1- 10, the + Pattern K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.a and b and c K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.MD.B.3 K.G.A.1 K.G.A.2 K.G.B.4 Big Idea #4- Numbers 1- 10, the – Pattern K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.a and c K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.MD.B.3 K.G.A.1 K.G.A.2 K.G.B.4	**Cluster: Know number names and the count sequence** Big Idea #1- Partners of 5 and 6 K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.a and b and c K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.5 K.NBT.A.1 K.G.A.2 K.G.B.6 **Cluster: Identify and describe shapes** Big Idea #2- Classifying K.CC.A.2 K.CC.A.3 K.CC.B.5 K.CC.B.4.b and c K.CC.C.6 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.5 K.MD.B.3 K.G.A.1 K.G.A.2 **Cluster: Work with numbers 11- 19 to gain foundations for place value** Big Ideas #3- Tens in Teen Numbers K.CC.A.3 K.CC.B.4.c K.CC.B.5 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.5 K.NBT.A.1 Big Idea #4- Build Teen Numbers K.CC.A.3 K.CC.B.4.b K.CC.B.5 K.OA.A.1 K.OA.A.3 K.OA.A.5 K.NBT.A.1 K.MD.B.3 K.G.A.1 K.G.A.2 K.G.B.4	**Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from** Big Idea #1- Story Problems and Equations K.CC.A.3 K.CC.B.4.a and b and c K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 K.MD.B.3 **Cluster: Count to tell the number of objects** Big Idea #2- Practice with Comparing K.CC.A.3 K.CC.B.4.a and b and c K.CC.B.5 K.CC.C.6 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.NBT.A.1 **Cluster: Classify objects and count the number of objects in categories. Identify and describe shapes.** Big Idea #3- Equations and Teen Numbers K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.a and b and c K.CC.C.6 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 K.MD.B.3 K.G.A.1 K.G.A.2 K.G.A.3 K.G.B.4 **Cluster: Analyze, compare, create, and compose shapes** Big Idea #4- Equations for Partners K.CC.A.1 K.CC.A.3 K.CC.B.5 K.CC.B.4.a and b K.CC.C.6 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 K.MD.B.3 K.G.A.1 K.G.A.2 K.G.A.3 K.G.B.4 K.G.B.5 K.G.B.6	**Cluster: Work with 11- 19 to gain foundations for place value.** Big Idea #1- More Partners of 10 K.CC.A.1 K.CC.A.3 K.CC.B.4.a K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 **Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.** Big Idea #2- Number 1 Through 20 K.CC.A.1 K.CC.A.3 K.CC.B.4.c K.CC.B.5 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 **Cluster: Compare numbers** Big Idea #3- More Teen Numbers and Partners K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.c K.CC.B.5 K.CC.C.6 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 **Cluster: Describe and compare measureable attributes** Big Idea #4- More Story Problems and Equations K.CC.A.3 K.CC.B.4.c K.CC.B.5 K.CC.C.6 K.CC.C.7 K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 K.NBT.A.1 K.MD.A.1 K.MD.A.2