

KINDERGARTEN MATH CURRICULUM MAP

Topic / Domain	Month	Projects/Assessment	Materials /Resources	Essential Questions	Standards
Represent, Count, and Write Numbers 0 to 5 / Counting and Cardinality Operations and Algebraic Thinking	September	Shake and spill: ways to make 5 Games: Go Fish, Number Swiper Assessment: teacher observation of individual performance, 1-5 number books , beginning of year benchmark data	Refer to t-common Math curriculum K folder for 5 frame smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you show and count 1, 2, 3, 4, and 5 with objects? How can you count and write 1, 2, 3, 4, and 5 with words and numbers? How can you use two sets of objects to show 5 in more than one way? How do you know that the order of numbers is the same as a set of objects that is one larger? How can you solve problems using the strategy make a model? How can you identify and write 0 with words and numbers?	C.C.K.CC.: 3, 4.a, 4.b, and 4.c
Compare Numbers to 5 / Counting and Cardinality	October	Games: Monster Squeeze, Top It , Number Line Up Assessment: greater than, less than, and equal to assessment sheet	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you use matching and counting to compare sets with the same number of objects? How can you compare sets when the number of objects in one set is greater than and less than the number of objects in the other set? How can you make a model to solve problems using a matching strategy? How can you use a counting strategy to compare sets of objects?	CC.K.CC.6
Represent, Count, and Write Numbers 6 to 9 / Counting and Cardinality	October	Games: Number Line Up, 10 frame flash, Memory 5 and _ more blackline Games: Go Fish, memory, Swiper, Scramble Assessment: teacher observation of individual performance, 6-9 number books	Refer to t-common Math curriculum K folder for 10 frame smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you show and count 6, 7, 8, and 9 objects? How can you count and write 6, 7, 8, and 9, with words and numbers? How can you solve problems using the strategy draw a picture?	CC.K.CC.: 3, 5, and 6

<p>Represent and Compare Numbers to 10 / Counting and Cardinality Operations and Algebraic Thinking</p>	<p>November</p>	<p>Game: Spin and Count!, Top It, Go Fish, Swiper, Scramble</p> <p>Shake and spill: ways to make 10</p> <p>Assessment: teacher observation of individual performance, 1-10 Count and Order assessment</p>	<p>Refer to t-common Math curriculum K folder for smart board activities and websites</p> <p>Math manipulatives – classroom closets</p> <p>www.thinkcentral.com – Animated Math Models, practice book</p>	<p>How can you show and count 10 objects?</p> <p>How can you count and write 10 with words and numbers?</p> <p>How can you use a drawing to make 10 from a given number?</p> <p>How can you count forward to 10 from a given number?</p> <p>How can you solve problems using the strategy make a model?</p> <p>How can you use counting strategies to compare sets of objects?</p> <p>How can you compare numbers between 1 and 10?</p>	<p>CC.K.CC.: 2, 3, 5, 6</p>
<p>Represent, Count, and Write Numbers 11 to 19 / Counting and Cardinality Number and Operations in Base Ten</p>	<p>December</p>	<p>10 and _ more blackline</p> <p>Games: Make My Number, Top It, Go Fish, Teen Swiper, Teen Scramble, Teen Memory,</p> <p>Assessment: teacher observation of individual performance, 10-19 number books</p>	<p>Refer to t-common Math curriculum K folder for smart board activities and websites</p> <p>Math manipulatives – classroom closets</p> <p>www.thinkcentral.com – Animated Math Models, practice book</p>	<p>How can you use objects to show 11, 12, 13, 14, 15, 16, 17, 18 and 19 as ten ones and some more ones?</p> <p>How can you use objects to show 11, 12, 13, 14, 15, 16, 17, 18 and 19 with words and numbers?</p> <p>How can you solve problems using the strategy draw a picture?</p>	<p>CC.K.CC.: 1, 2, and 5</p>
<p>Addition / Operations and Algebraic Thinking</p>	<p>January</p>	<p>Games: What's Under My Cup, Addition Memory</p> <p>Game: Disappearing Tran Game, Addition Face Off, Memory, What's Under My Cup?</p>	<p>Refer to t-common Math curriculum K folder for Addition smart board activities and websites</p> <p>Math manipulatives – classroom closets</p> <p>www.thinkcentral.com</p>	<p>How can you show addition as adding to?</p> <p>How can you show addition as putting together?</p> <p>How can you solve by using the strategy act it out?</p> <p>How can you use objects and drawings to solve addition word problems?</p> <p>How can you use a drawing to find the number that makes a 10 from a</p>	<p>CC.K.: OA.1, OA.2, OA.3, OA.4, and OA.5</p>

		Assessment: teacher observation of individual performance, Addition Fast Facts, mid-year benchmark data	– Animated Math Models, practice book	given number? How can you solve addition word problems and complete the addition sentence? How can you model and write addition sentences for number pairs for sums to 5? How can you model and write addition sentences for number pairs for sums to 6, 7, 8, 9, and 10?	
Represent, Count, and Write 20 and Beyond / Counting and Cardinality	February	Games: 11-20 Scramble, Swiper, Go Fish, Memory, Assessment: teacher observation of individual performance	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you show and count 20 objects? How can you count and write 20 with words and numbers? How can you count forward to 20 from a given number? How can you solve problems using the strategy make a model? How does the order of numbers help you to count to 50 by ones? How does the order of numbers help you to count to 100 by ones? How can you count to 100 by tens on a hundred chart? How can you use sets of tens to count to 100?	CC.K.CC.: 1, 2, 3, 5, and 6
Identify and Describe Two – Dimensional Shapes / Geometry	February/ March	Games: Memory Assessment: teacher observation of individual performance	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you identify and name circles, squares, triangles, rectangles, and hexagons? How can you describe circles, squares, triangles, rectangles, and hexagons? How can you use the words alike and different to compare two-dimensional shapes? How can you solve problems using the strategy draw a picture?	CC.K.G.: 2, 4, and 6

Subtraction / Operations and Algebraic Thinking	March/ April	Games: Subtraction Memory, Subtraction Face Off Assessment: teacher observation of individual performance, Subtraction Fast Facts	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you show subtraction as taking from? How can you show subtraction as taking apart? How can you solve problems using the strategy act it out? How can you use objects and drawings to solve subtraction word problems? How can you solve subtraction word problems and complete the equation? How can you solve word problems using addition and subtraction?	CC.K.: OA.1, OA.2, and OA.5
Identify and Describe Three-Dimensional Shapes / Geometry	May	Games: Memory Assessment: teacher observation of individual performance	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you show which shapes stack, roll, or slide? How can you identify, name, and describe spheres, cubes, cylinders, and cones? How can you solve problems using the strategy use logical reasoning? How can you use the terms above and below to describe shapes in the environment? How can you use the terms beside and next to to describe shapes in the environment? How can you use the terms in front of and behind to describe shapes in the environment?	CC.K.G.: 1, 2, 3, and 4
Measurement / Measurement and Data	May	Measurement Activities Games: Connecting Cube Challenge Assessment: teacher observation of individual performance	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets	How can you compare the lengths of two objects? How can you compare the heights of two objects? How can you solve problems using the strategy draw a picture? How can you compare the weights of two objects? How can you describe several ways to measure one object?	CC.K.MD.: 1 and 2

			www.thinkcentral.com – Animated Math Models, practice book		
Classify and Sort Data / Measurement and Data	June	Graphing Activities Assessment: teacher observation of individual performance, end of year benchmark data	Refer to t-common Math curriculum K folder for smart board activities and websites Math manipulatives – classroom closets www.thinkcentral.com – Animated Math Models, practice book	How can you classify and count objects by color? How can you classify and count objects by shape? How can you classify and count objects by size? How can you make a graph to count objects that have been classified into categories? How can you read a graph to count objects that have been classified into categories? How can you solve problems using the strategy use logical reasoning?	CC.K.MD.3