

Grades K-5 - Math Content Mapping Last Reviewed: 3/14/22

Trimester	Kinder	First	Second	Third	Fourth	Fifth
1st	<p>Number and Operations</p> <p>Represent, count, and write numbers 0 to 5 -Model and count to 5 -ways to make 5 -Represent objects 0-5 with a number name and written number -Problem solving strategies: make a model</p> <p>Compare numbers to 5 -same number, less than, greater than -compare by matching sets to 5 -compare by counting sets to 5</p> <p>Represent, count, and write</p>	<p>Number and Operations</p> <p>-Numbers to 10 and Patterns in numbers to 10</p> <p>-Addition Concepts -Addition Strategies: Adding in any order Make a 10 Counting on Doubles Doubles plus one Doubles minus one</p> <p>-Subtraction Concepts -Subtraction Strategies Taking from Counting back Taking apart Modeling with pictures</p>	<p>Number and Operations in base 10</p> <p>- Even and Odd Numbers</p> <p>- Understand Place value: Ones & Tens</p> <p>- Numbers to 1,000</p> <p>Basic Fact Relationships -Add and Subtract within 20</p> <p>- 2-digit addition</p> <p>- Addition fluency within 20</p>	<p>Number and Operations</p> <p>Addition and Subtraction within 1,000 -Break apart - Place value - Three-digit addition and subtraction with regrouping -Rounding/Estimate</p> <p>Represent and Interpret Data - picture graphs - bar graphs - line plots</p> <p>Understand Multiplication - skip counting - array - draw equal groups</p> <p>Multiplication</p>	<p>Number and Operations in Base Ten</p> <p>-Place value, addition, and subtraction to one million</p> <p>-Multiplication by 1-digit Numbers</p> <p>-Multiplication by 2-digit Numbers</p> <p>-Division by 1-digit Numbers</p> <p>-Factors, Multiple, and Patterns</p>	<p>Number and Operations</p> <p>Understanding place value to ten millions and thousandths.</p> <p>Understand and find the value of number as opposed to place value (using place value)</p> <p>Multiply/ divide multi-digit numbers.</p> <p>Understand the pattern of base ten/ power of ten, including one-tenths, etc.</p>

	<p>numbers 6 to 9</p> <ul style="list-style-type: none"> -Model and count number of objects 6 to 9 -Represent objects 6-9 with a number name and written numeral -Problem solving strategy: draw a picture <p>Represent, and compare numbers to 10</p> <ul style="list-style-type: none"> -Model and count to 10 -Count and write to 10 -Different ways to make 10 -Problem solving strategy: make a model - Matching, counting sets to 10 -Compare two numbers -Count forward to 10 from a given number <p>Addition</p>	<ul style="list-style-type: none"> -Numbers to 10 and Patterns in numbers to 10 -basic facts within 10 		<p>Facts and Strategies (0-10)</p> <ul style="list-style-type: none"> - skip counting - multiplication table 		
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	<ul style="list-style-type: none"> - Concept of put together -Use objects and drawings to solve -decompose numbers into pairs in more than one way -Problem-solving strategy: Acti it out 					
2nd	<p>Subtraction</p> <ul style="list-style-type: none"> -understand as take apart or take from -use objects and drawings to solve subtraction word problems and record equations -problem solving strategy: act it out <p>Represent, Count, and write 11-19</p> <ul style="list-style-type: none"> -decompose numbers 11-19 into ten ones and some more ones -write numbers 11-19 as number names and numerals <p>Problem solving</p>	<p>Number and Operations</p> <ul style="list-style-type: none"> _Numbers to 20 and patterns in numbers to 20 -Relationships between Addition and Subtraction *related facts -Finding unknown numbers -Basic facts within 20 -Understanding place value -Comparing and Counting patterns 	<p>Number and Operations in base 10</p> <ul style="list-style-type: none"> - 2-digit subtraction - 3-digit addition and subtraction - Subtraction Fluency within 20 - Money <ul style="list-style-type: none"> -Value of coins and bills, finding total value of a group of money - Time <ul style="list-style-type: none"> -Tell and write time to the nearest 5 minutes, using 	<p>Number and Operations</p> <ul style="list-style-type: none"> -Division Facts and Strategies <ul style="list-style-type: none"> - Draw equal groups - Bar model - Array - Related facts - Order of operations <p>Perimeter and Area</p> <ul style="list-style-type: none"> - Adding sides to determine perimeter - Multiplying to find the area of a rectangle <p>Geometric Shapes</p> <ul style="list-style-type: none"> - Polygons - 	<p>Number and Operations - Fractions</p> <ul style="list-style-type: none"> -Fraction Equivalence and comparison -Add and subtract Fractions -Multiply Fractions by whole numbers. -Relate Fractions and Decimals. 	<p>Number and Operations</p> <ul style="list-style-type: none"> -Understand decimals. <p>Meaning, representation</p> <ul style="list-style-type: none"> -Fractions: equivalent -add/subtract fractions with unlike denominators.

	<p>strategy: draw a picture</p> <p>Represent, count and write 20 and beyond</p> <ul style="list-style-type: none"> -model and count to 20 -compare numbers to 20 -count forward to 20 from a given number -count to 50 by ones -count to 100 by ones and tens -Problem solving strategy: make a model 	within 120	a.m./p.m.	<p>identify, describe, classify (triangle, quadrilateral, pentagon, hexagon, octagon)</p> <ul style="list-style-type: none"> - Distinguish different types of quadrilaterals (rectangle, square, rhombus) <p>Understand Fractions</p> <ul style="list-style-type: none"> - $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$ - Equal parts of a whole - Equal parts of a group - fractions on a number line 		
3rd	<p>Domain: Geometry and Positions</p> <p>Identify and describe 2D shapes</p> <ul style="list-style-type: none"> -Identify, name and describe: circle, triangle, 	<ul style="list-style-type: none"> -Two-Digit Addition and Subtraction -Measurement -Telling Time -Representing Data -Geometry Two and 	<p>Measurement and Data</p> <ul style="list-style-type: none"> - Measuring in customary units (inches, feet) - Measuring in metric units (centimeters, meters) 	<p>Compare Fractions</p> <ul style="list-style-type: none"> - Draw to compare 2 or 3 fractions - Use number line to compare 2 or 3 fractions - Compare fractions with the same denominator - Compare fractions with 	<p>Domain: Geometry</p> <ul style="list-style-type: none"> -Two dimensional figures. <p>Domain: Measurement and Data</p> <ul style="list-style-type: none"> -Angles 	<p>Domain: Geometry</p> <p>Scaling</p> <p>Applying: multiply fractions by whole numbers (and vise versa) and fractions.</p>

	<p>rectangle, hexagon Problem solving strategy: draw to join shapes</p> <p>Identify and describe 3D shapes Identify, name and describe: cube, cone, cylinder, sphere -create and compose shapes -positional: above and below, beside and next to, in front of and behind Problem solving strategy: use logical reasoning</p> <p>DOMAIN: Measurement and Data</p> <p>Measurement -Compare length, height, weight of two objects -describe measurable attributes</p>	<p>Three-dimensional shapes</p> <p>-Equal and Unequal parts</p> <p>Fractions to halves and fourths</p>	<p>- Data (bar graph, picture graph, reading and making line plots)</p> <p>Geometry and Fraction Concepts - 2-3-dimensional shapes</p> <p>- fractions (halves, thirds, fourths)</p> <p>- identify and name equal parts of circles and rectangles</p> <p>Introducing multiplication -count equal groups</p> <p>-relate addition and multiplication</p> <p>- skip count</p>	<p>different denominators - Equivalent fractions</p> <p>Time, Length, and Volume - tell time to the minute on analog clock - time intervals - measure mass (cups, quarts, gallons, liter)</p> <p>-Review all concepts</p>	<p>-Relative sizes of Measurement units</p> <p>-Algebra: Perimeter and Area</p>	<p>Applying: divide fractions by whole number and vice versa</p> <p>Geometry and measurements.</p> <p>Volume and Area formulas</p> <p>Volume as an additive (adding different rectangular prisms).</p>
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	<p>Problem solving strategy: draw a picture</p> <p>Classify and sort data</p> <ul style="list-style-type: none">-Classify objects by color, shape, size and count objects in each category-Problem solving strategy: Create a graph					
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