

Curriculum Map Grade: 4 Subject: Math

Albrecht, Boehm, Flores, Kaplan, Newsome, Sniderman

Topic	Content (Understandings)	Skills/Standards (Know ad Able to Do)	Assessment	Resources (Curriculum)
<p>Unit 1: Naming & Constructing Geometric Figures</p> <p>Unit 2: Using Numbers & Organizing Data</p>	<p>Points, Line Segments, Lines & Rays</p> <p>Angles, Triangles and Quadrangles</p> <p>Parallelograms</p> <p>Polygons</p> <p>Concentric Circles & Congruent Shapes</p> <p>Place Value & Whole Numbers</p> <p>Organizing and Displaying Data</p> <p>The Median</p> <p>Adding and Subtracting Multi-digit Numbers</p> <p>Displaying Data With Graphs</p>	<p align="center">Geometry</p> <p>I can draw and identify points, lines, line segments, rays, angles and perpendicular and parallel lines.</p> <p>I can classify polygons, such as right triangles by the types of angles and lines used to form the polygons.</p> <p align="center">Measurement & Data</p> <p>I can use formulas to find the area and perimeter of rectangles.</p> <p>I understand that angles are forms by two rays with the same endpoint.</p> <p align="center">Number and Operations in Base Ten</p> <p>I can add and subtract numbers up to one million.</p> <p>I understand that each place value is ten times larger than the one to its right.</p>	<p>Unit Tests</p> <p>Math Boxes</p> <p>Selected Quizzes</p> <p>Slate Assessments</p>	<p>Everyday Math Resources:</p> <p>Student Reference Books</p> <p>Student Math Journals</p> <p>Selected Study Links</p> <p>Selected Skills Links</p> <p>Interactive Student Notebooks</p> <p>Manipulatives:</p> <p>Pattern Blocks</p> <p>Base-10 Blocks</p> <p>Rulers (inch/centimeter)</p> <p>Protractors</p> <p>Calculators</p> <p>Compasses</p> <p>Graph Paper</p>

Topic	Content (Understandings)	Skills/Standards (Know ad Able to Do)	Assessment	Resources (Curriculum)
<p>Unit 3: Multiplication, Division, Number Sentences and Algebra</p> <p>Unit 4: Decimals and Their Uses</p>	<p>What's My Rule?</p> <p>Multiplication Facts</p> <p>Multiplication & Division</p> <p>Solving Number Stories</p> <p>True and False Number Sentences</p> <p>Parentheses</p> <p>Open Sentences</p> <p>Basic Decimal Concepts</p> <p>Comparing and Ordering Decimals</p> <p>Adding & Subtracting Decimals</p> <p>Decimals and Money</p> <p>Thousandths</p> <p>Metric Units of Length</p>	<p>Number and Operations in Base Ten</p> <p>I understand that multiplication shows how many times a number is multiplied to get to another number.</p> <p>I can write multiplication equations.</p> <p>I can multiply or divide to solve word problems.</p> <p>I can divide large numbers using a variety of strategies.</p> <p>I can illustrate and explain my work.</p> <p>I can use mathematical operations and variables to solve word problems with and without remainders.</p> <p>I can use mental math and estimation to decide if my answer makes sense.</p> <p>I can factor numbers from 1 to 100. I understand that numbers are multiples of their factors. I can figure out if a number is a multiple of another number and whether it is prime or composite.</p> <p>Operations and Algebraic Thinking</p> <p>I can create and describe patterns that follow a rule.</p> <p>Numbers and Operations Fractions</p> <p>I can compare two decimals to the hundredths place.</p> <p>Number and Operations in Base Ten</p> <p>I can add and subtract numbers up to one thousand.</p> <p>I can read, write and compare numbers up to one thousand.</p>	<p>Unit Tests</p> <p>Math Boxes</p> <p>Selected Quizzes</p> <p>Slate Assessments</p>	<p>Everyday Math Resources:</p> <p>Student Reference Books</p> <p>Student Math Journals</p> <p>Selected Study Links</p> <p>Selected Skills Links</p> <p>Interactive Student Notebooks</p> <p>Manipulatives:</p> <p>Pattern Blocks</p> <p>Base-10 Blocks</p> <p>Rulers (inch/centimeter)</p> <p>Protractors</p> <p>Calculators</p> <p>Compasses</p> <p>Graph Paper</p>

Topic	Content (Understandings)	Skills/Standards (Know ad Able to Do)	Assessment	Resources (Curriculum)
<p>Unit 5: Big Numbers, Estimation and Computation</p> <p>Unit 6: Division, Coordinate Grids and Measures of Angles</p>	<p>Extended Multiplication Facts</p> <p>Estimating Sums and Products</p> <p>Partial Product Multiplication</p> <p>Lattice Multiplication</p> <p>Big Numbers</p> <p>Rounding and Reporting Large Numbers</p> <p>Comparing Data</p> <p>Multiplication and Division Number Stories</p> <p>Strategies for Division</p> <p>Expressing and Interpreting Remainders</p> <p>Half-Circle Protractors</p> <p>Rectangular Coordinate Grids</p>	<p>Numbers and Operations in Base Ten</p> <p>I can read, write and compare numbers up to one million.</p> <p>I can round numbers up to one million.</p> <p>I can multiply large numbers using various strategies.</p> <p>Measurement and Data</p> <p>I can measure and draw angles using a protractor.</p> <p>I understand that the sum of an angle's parts is equal to the whole angle.</p> <p>I understand that an angle's measure is related to the fraction of a circle it represents and that the unit is degrees.</p>	<p>Unit Tests</p> <p>Math Boxes</p> <p>Selected Quizzes</p> <p>Slate Assessments</p>	<p>Everyday Math Resources:</p> <p>Student Reference Books</p> <p>Student Math Journals</p> <p>Selected Study Links</p> <p>Selected Skills Links</p> <p>Interactive Student Notebooks</p> <p>Manipulatives:</p> <p>Pattern Blocks</p> <p>Base-10 Blocks</p> <p>Rulers (inch/centimeter)</p> <p>Protractors</p> <p>Calculators</p> <p>Compasses</p> <p>Graph Paper</p>

Topic	Content (Understandings)	Skills/Standards (Know ad Able to Do)	Assessment	Resources (Curriculum)
Unit 7: Fractions and Their Uses; Chance and Probability	Basic Fraction Concepts Fractions as a Set Pattern Block Fractions Fraction and Mixed Number Addition & Subtraction Equivalent Fractions Fractions & Decimals Comparing Fractions Fractions & Whole Numbers Probability, Fractions & Spinners Comparing Outcomes	Numbers and Operations Fractions I can use various strategies to add and subtract mixed numbers with like denominators. I can compare two fractions with different numerators and denominators. I can solve word problems by adding and subtracting fractions with like denominators. I can recognize and form equivalent fractions. I understand how to add and subtract fractions that are parts of the same whole. I understand the relationship between numerators and denominators. I understand that a fraction is made up of equal parts.	Unit Tests Math Boxes Selected Quizzes Slate Assessments	Everyday Math Resources: Student Reference Books Student Math Journals Selected Study Links Selected Skills Links Interactive Student Notebooks Manipulatives: Pattern Blocks Base-10 Blocks Rulers (inch/centimeter) Protractors Calculators Compasses Graph Paper