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|  | Unit 1 | | Unit 2 | | | Unit 3 | | Unit 4 | | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 |
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| Kinder  Enhanced | **Numerical Reasoning: Wondering About My World and Investigating to Find Answers**    Quantity of objects up to 10; rote counting to 100 forward and backward from 20. | | | **Geometric & Spatial Reasoning:**  **2-D Shapes in My World**    Describe shapes based on the number of sides, vertices and other attributes; identify 2D shapes and form larger shapes by putting two or more basic shapes together. | | | **Numerical Reasoning:**  **How Many? (Numbers Up to 20)**    Explore and count sets of objects up to 20; compare objects using phrases, “greater than”, “less than” or “the same as”, equal to”. | **Numerical Reasoning: Understanding and Using Addition and Subtraction in My Life**    Addition and Subtraction to fluently solve within 10 | | **Numerical Reasoning: Using Numbers within 20**    Compose and Decompose numbers into 10 and some more. | **Geometric & Spatial Reasoning: 3-D Shapes in My World**    Identify 3 dimensional shapes and compare 2D and 3D shapes. | **Measurement & Data Reasoning: Using Numbers and Data to Make Sense of My World**    Investigate place value and solve addition and subtraction problems; describe patterns. | **Culminating Capstone Unit** |  |
| 1st Grade Enhanced | **Extending Number Sequence**  **Understanding to Build, Compare, and Interpret Numbers within 100**    Count numbers forward and backward starting with any number within 120 | | | **Building and Explaining the Relationship Between Addition and Subtract**    Relate numbers to 10; Recognize number relationships to develop addition and subtraction strategies within 20. (doubles, doubles plus one) | | | **Sorting, Sifting, Shifting Shapes and Patterns**    Compare and partition shapes into halves, thirds, fourths. | **Exploring Meaningful Measurements**    Use measurement tools to estimate, measure, describe and compare the measurement objects with units. | | **Problem Solving to Answer Real-Life Questions**    Mental math strategies within 100; build fluency within 20. | **Culminating Capstone Unit** |  |  |  |
| 2nd Grade Enhanced | **Using Tables, Graphs, & Charts**    Collect, analyze, and display data through pic and bar graphs, value of numbers up to 1,000 by representing, ordering, & comparing, solve addition & subtraction problems within 100 using various strategies for this unit | | | **Building Fluency w/ addition and subtraction**    Solve addition & subtraction problems within 100 using various strategies, solve problems involving charts and graphs, place value up to 1,000 by representing, ordering, & comparing, | | | **Measuring Lengths & Distance**    Standard units to estimate, measure, and compare lengths and distances (in., ft., & yd.), value of numbers up to 1,000 by representing, ordering, & comparing, solve addition & subtraction problems within 1,000 using various strategies for this unit | **Extending Place Understanding to 1,000**    value of numbers up to 1,000 by representing, ordering, & comparing, solve addition & subtraction problems within 1,000 using various strategies for this unit | | **Representing Sums & Differences within 1,000**    Create, locate numbers, & represent whole number sums & differences within a standard unit of measurement on a # line, value of numbers up to 1,000 by representing, ordering, & comparing, solve real world problems | **Exploring Geometry and Patters**    Attributes of shapes to describe, compare, and draw them, identify lines of symmetry, partition circles & rectangles, unit fractions, and non-unit fractions, use shapes to describe patterns, cont. place value up to 1,000 | **Measuring Time & Money**    Analog and digital clocks to the nearest minute, estimate and measure elapsed time, addition & subtraction problems using time and money, cont. Place value up to 1,000 & addition and subtraction within 1,000 | **Reasoning w/ equal Groups**    Work with equal groups and creating arrays to solve problems, write and solve equations to represent equal groups, identify, describe, create, and extend numerical patters in addition & subtraction | **Culminating Capstone Unit**  **8 Days** |
| 3rd Grade Enhanced | **Building a Strong Foundation**    Strengthen understanding of place value, addition, & subtraction up to 100,000 through meaningful tasks and number sense routines | **Exploring Multiplication**    Explore patterns and properties and discover relationships between multiplication facts, factors & multiples, represent and solve multiplication problems through pic & bar graphs, create statistical investigation questions | | | **Relating Multiplication & Division**    Multiplication & division are inverse operations that can be used to solve problems, numbers of objects can be divided by partitioning them into equal shares, multiply any 2-digit number by a 1-digit number, division of 3-digit numbers by 1-digit numbers | | | | **Place Value, Addition & Subtraction up to 10,000**    extend their understanding of the base-ten system to include  numbers to 10,000, use their understanding of place value to compare four-digit numbers, round whole numbers up to 1,000, fluently add & subtract within 1,000, will represent problems using equations with unknowns | **Two-Step Problems & Time**    solve and represent authentic problems using all four operations, recognize problem situations that indicate when to add, subtract, multiply, or divide  and build appropriate equations to solve the problems. | **Fractions as Numbers**    Understanding fractions with an emphasis  on unit fractions, understand that fractions are numbers that describe the division of  a whole into equal parts, decompose fractions as the sum of fractions represent  fractions with models, diagrams, and number lines and use these models to compare, find,  and generate equivalent fractions. | **Connecting Length, Perimeter, & Area**    use a ruler to measure length to the nearest half or quarter of an  Inch, measure side lengths of polygons to determine the perimeter and extend understanding of area | **Two-Dimensional Shapes**    will reason about attributes (features) of shapes including parallel  segments, perpendicular segments, right angles, and symmetry. | **Culminating Capstone Unit** |
| 4th Grade Enhanced | **Making Relevant Connections with Place Value Understanding, Addition and Subtraction of Whole Numbers**    Add, subtract, and round within 10,000. Problem solving with money, intervals of time, metric measurements for liq. Volume, distance, and weight. | **Exploring Real-Life Phenomena through Patterning and Algebraic Reasoning**    Building on growing and repeating patterns for numbers and shapes following a rule + factor pairs, prime, and composite. | | | **Reasoning about Multiplication and Division**    Strategies to multiply multi-digit whole numbers and partial quotient to divide whole numbers up to 4 digits by 2 digits. + problem solving with money, intervals of time, metric for Liq. Volume, distance, and weight. | | | | **Investigating Fractions and Decimals**      Compare fractions less than 1, + and – fractions with like denominators, and measure to the nearest 1/8 inch. Decimals through the thousandths- locate, compare, and order. Round to tenths and thousandths | **Building Conceptual Understanding of Angle Measurement**      Using 360 degree protractor to measure angles as attributes. | **Reasoning with Shapes**      Explore attributes of 2D shapes with area and perimeter + lines of symmetry and investigate attributes of quadrilaterals such as perpendicular and parallel lines | **Culminating Capstone Unit** |  |  |
| 5th Grade Enhanced | **Investigating Volume of Solid Figures**    Build, analyze and recognize connection of area + multiplication and volume  examples. Explore written expressions of finding missing value of volume. | **Building Conceptual Understanding of Place Value Using Measurement and Data Reasoning**    Explore and explain patterns when X and / powers of 10. + statistical reasoning to collect/organize/ and interpret data. | | | **Building Conceptual Understanding of Multiplication and Division with Whole Numbers**    Partial products and partial quotients- 4 digits by 2- digits Fluent multiplication in 3 x2 and division of 4 by 2 with a divisor no greater than 25. + statistical reasoning to collect/organize/ and interpret data. | | | | **Building Fraction Understanding**      Compare and order fractions, + and – with unlike denominators. Relationship between fractions and ratios. Fractions on a number line and understanding of Greatest common factor and least common multiple. | **Making Sense of Fraction Multiplication and Division**    Division of whole numbers (can be in the form of a mixed number) and multiply a whole number by a fraction or mixed number using properties of operations. Problems with area, surface area, and Volume. | **Extending Place Value and Working with Decimals to Solve Problems**    Read, write, and compare decimals to the thousandths place. Round and perform operations with decimals to the hundredths in real-life. Customary measurements + metric + time to display data and relevant Q’s | **Exploring Geometry and Coordinate Plane**    Convention and notation of coordinate planes to name points. Classifying polygons based on properties and working with patterns to generate 2 different numerical patterns and relationships between them. | **Culminating Capstone Unit** |  |
| 6th Grade Enhanced | **Exploring Real-life Phenomena through Statistics**    Collect, analyze, and display data through a number of graphical representations. | **Making Relevant Connections through Number System Fluency**    Number relationships to deepen their connection to fractions. | | | **Investigating Rate, Ratio, and Proportional Reasoning**    Represent mathematics through graphs, tables, pictures, symbols and words. | | | | **Building a Conceptual Understanding of Expressions**    Arithmetic experiences to algebraic representations. Translate verbal phrases and numeric situations into algebraic expressions. | **Exploring Real-life Phenomena through One-Step Equations and Inequalities**    Explore/create one-step equations and inequalities and solve equivalent expressions and possible solutions for inequalities with nonegative numbers and solutions. | **Exploring Area and Volume**    Area and volume of composite figures, including those with sides of fractional lengths. | **Rational Exploration: Numbers and their Opposites**    Introduced to  numbers less than 0; use zero to identify a number and its opposite. Use a number line to compare/order fractions, decimals and integers. | **Graphing Rational Numbers**    Draw polygons in the coordinate plane by connecting points and calculate side lengths to analyze distance between points. | **Culminating Capstone Unit** |