



<p><u>Venn Diagrams, Charts, and Graphs</u> (2 weeks)</p> <ul style="list-style-type: none"> <li>Establishes routines</li> <li>Poses information questions</li> <li>Collects data</li> <li>Organizes and records results using tallies, simple tables and charts, pictographs, Venn diagrams, and bar graphs</li> <li>Groups objects according to common properties</li> </ul> <p><u>Place Value, Money, and Estimation</u> (4 weeks)</p> <ul style="list-style-type: none"> <li>Uses models, diagrams and number sentences to represent numbers less than 10,000 (through 4 digits)</li> <li>Writes numbers in expanded form and standard form using words and numerals</li> <li>Identifies a digit's place and value</li> <li>Connects place value to values of money</li> <li>Counts back change from a given amount of money</li> <li>Uses dollar and cent symbols and decimal notation</li> </ul>	<p><u>Length, Temperature, and Time continued</u> (2 weeks)</p> <ul style="list-style-type: none"> <li>Knows standard units for measuring length</li> <li>Compares the relationship of one unit to another</li> <li>Checks by measuring to determine if estimates are accurate for length and temperature</li> <li>Determines a tool that is appropriate for measuring length</li> <li>Solves problems using mental math strategies with numbers less than 1000</li> <li>Understands the importance and usefulness of reasonable estimations</li> </ul> <p><u>Plane and Solid Figures</u> (4 weeks)</p> <ul style="list-style-type: none"> <li>Further develops understandings of basic geometric figures</li> <li>Identifies plane figures and solid figures</li> <li>Describes plane figures and solid figures</li> <li>Develops an understanding of the inner-relatedness of</li> </ul>	<p><u>Numeration with Computation</u> (6 weeks)</p> <ul style="list-style-type: none"> <li>Correctly adds and subtracts two whole numbers 2 and 3 digits each with regrouping</li> <li>Solves problems and checks solutions by using the inverse relation between addition and subtraction</li> <li>Solves problems using mental math strategies</li> <li>Uses the commutative, associative, and identity properties to simplify problems</li> <li>Solves problems and checks solutions by using the inverse relation between addition and subtraction</li> <li>Solves problems using mental math strategies</li> <li>Uses the commutative, associative and identity properties to simplify problems involving numbers less than 10,000</li> <li>Uses estimation to determine the reasonableness of addition and subtraction problems</li> </ul>	<p><u>Calculate and Evaluate continued</u> (3 weeks)</p> <ul style="list-style-type: none"> <li>Constructs a multiplication table</li> <li>Uses a multiplication table to determine the product of two numbers</li> <li>Determines factors of multiplication by repeated subtraction, equal sharing and forming equal groups</li> <li>Divides large collections of objects by using repeated subtraction, equal sharing and forming equal groups</li> </ul> <p><b>Preview for 3<sup>rd</sup> grade</b></p> <ul style="list-style-type: none"> <li>Four digit addition / subtraction with regrouping</li> <li>Estimation</li> <li>Problem solving</li> </ul> <p><b>Unit timelines are suggestions.</b></p>
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*Teaching, Learning, Caring*

**Process skills and writing will be interwoven daily in all math activities as a way of acquiring and using content knowledge.**



<ul style="list-style-type: none"><li>• Represents money amounts with words and digits</li></ul> <p><u>Length, Temperature, and Time</u> (3 weeks)</p> <ul style="list-style-type: none"><li>• Tells time to the nearest five minutes</li><li>• Knows there are 24 hours in a day</li><li>• Knows there are 60 minutes in an hour</li><li>• Understands the relationship of hours and days</li></ul>	<p>plane and solid figures</p> <ul style="list-style-type: none"><li>• Cultivates spatial awareness</li><li>• Investigates the outcomes when geometric figures are combined or cut apart</li><li>• Expands the ability to see geometry in the real world</li></ul> <p><u>Parts of a Whole</u> (3 weeks)</p> <ul style="list-style-type: none"><li>• Justifies that the numerator is the top number of a fraction and that it represents how many parts of a set or whole</li><li>• Justifies that the denominator is the bottom number of a fraction and that it represents the total objects of the set</li><li>• Explains the concept that the larger the denominator, the smaller the size of the piece</li><li>• Compares simple fractions and tell why one fraction is greater than, less than, or equal to the other</li><li>• Represents halves, thirds, fourths, sixths, eighths, and tenths</li></ul>	<p><u>Calculate and Evaluate</u> (3 weeks)</p> <ul style="list-style-type: none"><li>• Understands multiplication as repeated addition</li><li>• Correctly multiplies one-digit numbers</li></ul>	
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