

## Mathematics Curriculum Map Overview

Topic	Skills	Approximate Weeks of Study
Sorting and Classifying	<ul style="list-style-type: none"> <li>• Recognize items can be organized into groups with similar characteristics</li> <li>• Sort, organize and label objects by two attributes (include coins)</li> <li>• Sort groups of objects by size and size order (increasing &amp; decreasing-include coins)</li> <li>• Recognize, describe, extend and create patterns that repeat (include coins)</li> <li>• Gather data in response to questions from teacher and students</li> <li>• Count out and sort data</li> <li>• Make simple pictographs for quantities up to 10</li> </ul>	Year Long
Counting and Number System	<ul style="list-style-type: none"> <li>• Count to 100 by ones (beginning at any given number) and tens</li> <li>• Count backwards from 10</li> <li>• Count a given number of objects from 1-20</li> <li>• Count the items in a collection and know the last word tells how many items are in the collection</li> <li>• Count out objects and show how many using fingers (to 20)</li> <li>• Understand the relationship between numbers and quantities up to and including 20</li> <li>• Understand the relationships among numbers and number systems</li> <li>• Write numbers from 1 to 20 (Exposure to 100)</li> <li>• Label a number of objects (1-20)</li> <li>• Draw pictures or symbols to represent a number told verbally up to 20</li> <li>• Understand ordinal numbering (first through tenth) to describe position/order</li> <li>• Compare groups of objects using the vocabulary: how many more, less, fewer, greater than, less than, equal to, more than, fewer than, and the same as</li> <li>• Investigate the use of knowledgeable guessing as a mathematical tool (estimating)</li> </ul>	Year Long

Number Operations	<ul style="list-style-type: none"> <li>* Represent addition and subtraction using objects, fingers, pennies, drawings, sounds, acting out situations, verbal explanations, expressions, equations, or other strategies</li> <li>*Add and subtract within 10</li> <li>*Solve addition and subtraction word problems within 10</li> <li>*Fluently add and subtract within 5 (fluency involves a mixture of just knowing some answers, knowing some answers from patterns, and knowing some answers from the use of strategies)</li> <li>*Duplicate, extend, and create simple patterns using concrete objects.</li> </ul>	3rd marking period 4th marking period
Geometry	<ul style="list-style-type: none"> <li>* Identify where shapes are found in our daily lives</li> <li>*Describe objects using shape names and positional words: above, below, over, under, on, beside, next to, between</li> <li>*Analyze, compare, and sort using two and three-dimensional shapes (circle, square, triangle, rectangle, hexagon, cube, cone, cylinder, and sphere)</li> <li>*Compose simple 2D shapes and model 3D shapes</li> <li>*Model objects by building and drawing shapes</li> </ul>	Year Long
Measurement and Data	<ul style="list-style-type: none"> <li>*Describe measurable attributes of an object(s), such as length or weight, using appropriate vocabulary</li> <li>*Directly compare two objects with a common measurable attribute and describe the difference</li> <li>*Explore the terms vertical and horizontal</li> <li>*Classify objects into given categories: count the number of objects in each category and sort the categories by count (less than or equal to 10)</li> <li>*Explore coins (pennies, nickels dimes, and quarters) and begin identifying pennies and dimes</li> </ul>	Year Long