

Curriculum Map: Elementary Mathematics

Essential Questions	Grade Level Scope and Sequence
<p>Why do I need standard units of measurement?</p> <p>How do shapes and Geometric solids relate to the world around me?</p> <p>What do effective problem solvers do, and what do they do when they get stuck?</p> <p>How does understanding money and time make us good stewards of the resources God has given us?</p> <p>What are the different ways to represent numbers and how do I manipulate numbers to help me solve real world problems?</p> <p>How are fractions used in real world situations to solve everyday problems?</p>	<p>The learner will.....</p> <p>Kindergarten:</p> <ol style="list-style-type: none"> 1. Recognize, write, and count numbers 0-100 2. Measure length, height, and weight using non-standard units of measurement. 3. Understand how to read and use a calendar. 4. Recognize and name basic solid and flat shapes and their general properties. 5. Recognize and state the name and value for coins. <p>1st Grade:</p> <ol style="list-style-type: none"> 1. Decompose and recompose numbers. 2. Add and subtract single and two-digit numbers with and without regrouping. 3. Measure and compare length, height, and weight using non-standard units of measurement from a given point. 4. Identify, classify, and combine plane and solid shapes. 5. Solve real world problems 6. Count, exchange and combine coins. 7. Collect and organize data. <p>2nd Grade</p> <ol style="list-style-type: none"> 1. Read, write, order, and compare numbers into the thousands. 2. Add and subtract three-digit numbers 3. Represent and solve real world problems in pictorially and numerically involving addition, subtraction, multiplication, and division. 4. Measure and compare length, height, weight, and capacity using the customary and metric standard units of measurement. 5. Tell time using the analog and digital clock and be able to tell elapsed time to the nearest hour and half-hour. 6. Represent, add, and subtract money using either the cent and dollar sign. 7. Combine and separate geometric figures in order to describe, create, and extend patterns. 8. Read, analyze, and interpret picture graphs, bar graphs, and line plots. <p>3rd Grade</p>

1. Read, write, order, and compare numbers into the ten thousands.
2. Multiply, divide, represent, and solve real world multi-digit problems using numbers into the hundreds.
3. Estimate and find length, weight and capacity using the customary and metric system; measure perimeter and area.
4. Find, compare, and solve problems involving angles and lines.
5. Tell time to the minute and using those skills to find elapsed time by adding and subtracting time.

4th Grade:

1. Compare five-digit numbers using greater than, less than, and equal to.
2. Write equivalent fractions, improper fractions, mixed numbers, and decimals
3. Solve addition, subtraction, multiplication, and division problems involving fraction, decimals, and whole numbers.
4. Measure angles and draw parallel and perpendicular lines.
5. Draw a shape or pattern about line of symmetry and check for rotational symmetry.
6. Recognize and make tessellations, identify the unit shape used in a tessalations.
7. Interpret data in a table using rows, columns, and intersections.