Ridgeland School District 122
Kindergarten Math Curriculum Map

*Problem Solving Strategies and Applications will be incorporated into all areas.

<table>
<thead>
<tr>
<th>Trimester 1</th>
<th>Trimester 2</th>
<th>Trimester 3</th>
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</thead>
<tbody>
<tr>
<td><strong>1. Counting and Cardinality</strong></td>
<td><strong>3. Patterns and Functions</strong></td>
<td><strong>5. Geometry</strong></td>
</tr>
<tr>
<td>- Exploring math manipulatives and their attributes</td>
<td>- Using information to figure out what is missing</td>
<td>- Developing language to describe and compare 2-D shapes and their attributes</td>
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<tr>
<td>- Developing language to describe shapes, position and quantity</td>
<td>- Finding objects that share one attribute</td>
<td>- Constructing 2-D shapes</td>
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<tr>
<td>- Using the calendar as a tool for keeping track of time and events</td>
<td>- Using attributes to sort a group of objects</td>
<td>- Finding combinations of shapes that fill an area</td>
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<tr>
<td>- Connecting number names, numerals and quantities</td>
<td>- Copying a repeating pattern and determining what comes next</td>
<td>- Describing, combining, and making 3-D shapes</td>
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<tr>
<td>- Using the calendar to count days</td>
<td>- Comparing different kinds of patterns</td>
<td>- Describe and compare 2-D and 3-D shapes and their attributes</td>
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<tr>
<td>- Establishing one-to-one correspondence between equal groups</td>
<td>- Counting, creating, and representing quantities</td>
<td>- Constructing 3-D shapes</td>
</tr>
<tr>
<td>- Developing strategies for accurately counting and keeping track of quantities</td>
<td>- Constructing and recording repeating patterns</td>
<td>- Comparing faces of 3-D shapes</td>
</tr>
<tr>
<td>- Identifying attributes and developing language to describe objects</td>
<td>- Counting strategies</td>
<td>- <strong>6. Counting and Cardinality</strong></td>
</tr>
<tr>
<td>- Compare how objects are the same and different</td>
<td>- Continuing and extending a repeating pattern</td>
<td>- Developing and analyzing visual quantities up to 10</td>
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<tr>
<td>- Collecting and keeping track of survey data</td>
<td>- Identifying the “unit” of a repeating pattern</td>
<td>- Using numbers, and/or addition notation, to describe arrangements of objects</td>
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<tr>
<td>- Describing and comparing data</td>
<td></td>
<td>- Decomposing numbers in different ways</td>
</tr>
<tr>
<td>- Representing quantities with pictures, numbers, objects, and/or words</td>
<td></td>
<td>- Counting strategies</td>
</tr>
</tbody>
</table>

**4. Measuring and Counting**
- Understanding what length is
- Repeating multiple nonstandard units to quantify length
- Developing strategies for measuring the length of an object
- Recording measurements, pictures, and/or words
- Counting a set of objects and creating an equivalent set
- Fluently add or subtract within 5
2. **Counting and Comparing**
   - Using numerals to represent quantities
   - Connecting number words, numerals and quantities
   - Creating an equivalent set
   - Directly compare two objects to determine which is longer
   - Developing language to describe and compare lengths
   - Counting backwards
   - Comparing two quantities to determine which is more
   - Ordering quantities from least to most

   **Common Core State Standards**
   - K.G.1, K.G.2
   - K.MD.1, K.MD.2, K.MD.3

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- Comparing lengths of different objects
- Understanding and comparing weight
- Developing strategies for measuring weight
- Comparing weights of different objects
- Modeling the action of combining and separating situations
- Comparing two quantities to determine which is more
- Decomposing numbers in different ways

   **Common Core State Standards**
   - K.MD.1, K.MD.2, K.MD.3
   - K.G.1, K.G.2
   - K.OA.1, K.OA.2, K.OA.3, K.OA.4

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- Recognizing that some problems have more than 1 solution
- Finding combinations of numbers

7. **Sorting and Surveys**
   - Counting and keeping track of quantities
   - Making a representation of a data set
   - Seeing the one-to-one correspondence between a set of data and a representation of this data set
   - Matching sets with a one-to-one correspondence
   - Working with two-to-one correspondence
   - Sorting, collecting and comparing data to solve a problem

   **Common Core State Standards**
   - K.MD.1, K.MD.3
   - K.OA.1, K.OA.2, K.OA.3, K.OA.4, K.OA.5

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**Materials Used:** [Investigations in Number, Data, and Space by Pearson](#)