

**Kindergarten Math Map**

Grade: PK to 5

Course: Elementary Math

South Seneca Elementary School

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From: September 2007 to June 2008 (10 months)

Map Status: In Progress - Shared

Mapping Category	September 2008	October 2008
<b>Theme</b>	<p>Colors</p> <p>Shapes</p> <p>Matching One - to - One</p> <p>Same and Different</p> <p>Position and Sorting</p> <p>New York State Standards: K.G.5, 2; K.S.3</p>	<p>Sorting and Classifying</p> <p>Graphing</p> <p>Patterns</p> <p>New York State Standards: K.S.5, 4, 2, 1; K.A.1, 2</p>
<b>Content</b>	<p>Red, Blue, Yellow, Green, Orange, Purple, Brown, Black, White, Pink, gray</p> <p>Circle, Square, Triangle, Rectangle, Oval, Diamond</p> <p>Learn and Use Position Words</p> <p>Sort objects into groups</p> <p>Calendar</p> <p>Problem Solving</p> <ul style="list-style-type: none"> <li>• Compare and discuss ideas for problem solving to justify their thinking</li> <li>• Use pictures to model the action in problems</li> <li>• Explain to others how the problem was solved</li> <li>• Understand that mathematical problems can be true or false (i.e. <math>2 + 2 = 4</math> or <math>3 + 1 = 5</math>)</li> </ul> <p>Real World Connections</p> <p>Communication</p> <ul style="list-style-type: none"> <li>• Understand their thought process with teacher guidance (model)</li> <li>• Listen to solutions shared by others</li> <li>• Formulate questions with teacher guidance(modeling)</li> </ul>	<p>Same and Different</p> <p>Sorting by One Attribute</p> <p>Sorting Same Set in Different Ways (Color, shape, size)</p> <p>Sorting by More than One Attribute</p> <p>Use Logical Reasoning ~ Problem Solving Strategy</p> <p>Problem Solving Applications</p> <p>Problem Solving</p> <ul style="list-style-type: none"> <li>• Compare and discuss ideas for problem solving to justify their thinking</li> <li>• Use pictures to model the action in problems</li> <li>• Explain to others how the problem was solved</li> <li>• Understand that mathematical problems can be true or false (i.e. <math>2 + 2 = 4</math> or <math>3 + 1 = 5</math>)</li> </ul> <p>Real World Connections</p> <p>Communication</p> <ul style="list-style-type: none"> <li>• Understand their thought process with teacher guidance (model)</li> <li>• Listen to solutions shared by others</li> <li>• Formulate questions with teacher</li> </ul>