Lesson Plan – March 12, 2010
Non-standard Measurement and Perimeter – Kindergarten

Standards:

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<th>Standard</th>
<th>Description</th>
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<td>M.13.K.5- Applications</td>
<td>Estimate and measure length, capacity/volume and mass of familiar objects using non-standard units</td>
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<tr>
<td>M.13.K.6- Perimeter</td>
<td>Surround a figure with objects (links, craft sticks, etc) and tell how many it takes to go around (Perimeter answers the question: How many units does it take to travel a path?)</td>
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**Required Materials:** Craft Paper, PBS Video, Internet Connection, Crayons

http://www.youtube.com/watch?v=3hlkRcTmFxY

**Time Estimate:** 1 Hour

**Pre requisite skills:** knowledge of number system, knowledge of basic measurement knowledge ex: what does a ruler show.

**Vocabulary:** Measurement is using a guide to show how long something is. For example: string, crayon, height. Perimeter is the distance around something. Ex: a fence, classroom, bedroom

**Objective:** Showing a PBS video (2.34 minutes of video need to be shown) on Non-standard measurement. Classroom will gain knowledge on ways to measure other than standard ruler or tape measure. Measuring perimeter will be introduced with activity. Go over rules from video. Make sure student knowledge is basic of what is required for non-standard measuring.

1. How many objects can you use at a time?
2. Can you use spaces?

**Activity:** Measuring perimeter of working area with crayons, measuring craft paper shapes with children shoe size. Classroom divided into 3 groups. Each instructor will help their group with activity. Write numbers each child counts of shoe perimeter on marker board. Explain the difference in numbers.

**Assessment:** Class will go over questions from lesson.
What is measuring?
What do you need for measuring?
What is perimeter?
What can you use if you don’t have a ruler?
Can you use your shoe, a flower, and a crayon?
Can you use one at a time?

You guys did great!
What could you measure at home?
Let’s measure the perimeter of our kitchen table when we get home!