Unit Map 2012-2013

Monroe #2 - Orleans BOCES (Regional Collaboration)

Collaboration / Math 2* / Grade 2 (Math Regional Curriculum)

Monday, October 15, 2012, 2:09PM

Standard/Module: Proficiency with Measurement 2.MD.4 (Week 3, 34 Weeks)

Stage 1: Desired Results

Standards Focus

- Major (70%) Connects to 2.MD.1-6 and 2.MD.9

Standards

NYS: CCLS:Mathematics, NYS: 2nd Grade , Measurement & Data
2.MD Measure and estimate lengths in standard units.

- 4. Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.

Enduring Understandings	Essential Questions
This standard calls for students to determine the difference in length between two objects. Students should choose objects, identify appropriate tools and units, measure both objects, and then determine how to find the differences in lengths.	How can I compare two items with regard to their lengths? How can I determine how much longer something is that something else?

Critical Content

Measure and compare the lengths of objects by choosing an appropriate tool and accurately measuring the objects.

Express the comparisons in whole number units.

Skills	Vocabulary
I can determine the difference in length between two items by measuring and comparing their lengths.	Tier 2: determine, object, expressing, difference Tier 3: longer, standard length unit

Stage 2: Assessment Evidence

Assessments

Measure Around the Room III
Formative: Performance: Skill Demonstration

Students are assigned 2 items around the classroom to measure. Items should be different lengths. Students will have to choose the most appropriate tool for the item, record the name of the tool(s) used to measure, and the measurement of each item. This allows you to assess whether they can choose the best tool as well as whether they can use the tool to accurately measure, and then compare and find the differences in the lengths of the items.

Stage 3: Learning Plan

Learning Activities	Resources
Students should choose objects, identify appropriate tools and units, measure both objects, and then determine the differences in lengths. Second graders should be familiar enough with inches, feet, yards, centimeters, and meters to be able to compare the differences in lengths of two objects. They can make direct comparisons by measuring the difference in length between two objects by laying them side by side and selecting an appropriate standard length unit of measure. Students should use comparative phrases such as "It is longer by 2 inches" or "It is shorter by 5 centimeters" to describe the difference between two objects. It is important that students have multiple opportunities to work with actual objects in the process of measuring.	www.illuminations.nctm.org www.illustrativemathematics.org

Differentiation Opportunities

It is important that students have multiple opportunities to work with actual objects in the process of measuring. Measuring or looking at graphics will not be enough experience for most students.

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