Unit Map 2012-2013

Monroe #2 - Orleans BOCES (Regional Collaboration)

Collaboration / Math 3* / Grade 3 (Math Regional Curriculum)

Wednesday, September 26, 2012, 2:46PM

Standard/Module: Proficieny with measuement and data 3.MD.1 (Week 7, 6 Weeks)

Stage 1: Desired Results

Standards Focus

- Major (70%) connects with 3.MD.2, 3.NBT.1

Grade 3 Proficiency Maps.pdf

Standards

NYS: CCLS:Mathematics, NYS: 3rd Grade , Measurement & Data
3.MD Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

- 1. Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.

Enduring Understandings	Essential Questions
1. Time is a form of measurement communicated orally and in written form using standard units. 2. Time is measured using a number system. 3. When communicating time, we can round to a unit of time. 4. What an interval of time is. 5 We use time vocabulary and concepts to communicate dependent on the situation. eg. actual time; lapsed time	1. Why do we use the measurement of time?

Critical Content

1. Concepts of minute and hour are related.

2. Read a clock to the nearest minute.

3. Write time in correct format. ex. 2:34.

4. Add and subtract time intervals.

Skills	Vocabulary
1. Tell and write time to the nearest minute. 2. Measure time intervals in minutes. 3. Solve word problems involving + and - of intervals in minutes.	Tier two: intervals Tier three: hour, minute,

Stage 2: Assessment Evidence

Assessments

Measuring time
Formative: Performance: Authentic Task

Give students clocks and ask them to represent a given time.

Stage 3: Learning Plan

Learning Activities	Resources
Practice skip counting by 5's. Show students how the clock is really a curved double number line (one line for the hours and one for the minutes)	www.illustrativemathematics.org www.illuminations.nctm.org www.engageny.org

Differentiation Opportunities

Real clocks with the ability to manipulate their hands are often much more effective than a sketch of a clock. Practice skip counting while physically moving the hands.

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