Dear Second Grade Families,

We are about to begin our 4th module in Mathematics. In this letter, we will share a grade specific overview of the year, as well as information about our current module.

**Summary of the Year**

Our Second Grade students will be engaged in mathematics that will focus on:

(1) Extending understanding of base-ten notation;

(2) Building fluency with addition and subtraction;

(3) Using standard units of measure;

(4) Describing and analyzing shapes.

The learning goal for each student is to *achieve mastery by the end of the school year*. Along the way teachers and students will celebrate what the students can do now and identify what the students need to work on next.

**A Story of Units**

The yearly curriculum is broken into modules, (units), whose sequence is as follows:

Module 1: Sums and Differences to 20

Module 3: Place Value, Counting, and Comparison of Numbers to 1000

Module 4: Addition and Subtraction within 200 with Word Problems to 100

**Module 2: Addition and Subtraction of Length Units**

Module 5: Addition and Subtraction within 1000 with Word Problems to 100

Module 7: Problem Solving with Length, Money, and Data

Module 8: Time, Shapes, and Fractions as Equal Parts of Shapes

Module 6: Foundations of Multiplication and Division

As your child begins a new module, you will receive information explaining the learning targets that are being addressed.

**Module 2 Overview**

In Module 2, students learn to measure and estimate using standard units for length and solve measurement word problems involving addition and subtraction of length. A major objective is for students to use measurement tools with the understanding that linear measure involves an iteration of units and that the smaller a unit, the more iterations are necessary to cover a given length. Students work exclusively with metric units, i.e. centimeters and meters, in this module to support upcoming work with place value concepts in Module 3. Units also play a central role in the addition and subtraction algorithms of Modules 4 and 5. An underlying goal for this module is for students to learn the meaning of a “unit” in a different context, that of length. This understanding serves as the foundation of arithmetic, measurement, and geometry in elementary school.

**Module 2 Objectives**

The following objectives will be addressed in Module 2, however many are ongoing and will reappear in future modules.

Your child will:

* Select an appropriate tool to measure an object.
* Measure the length of any object using a tool.
* Select several appropriate units of length to measure an object.
* Accurately measure an object with 2 different unit lengths.
* Compare the measurement using the shorter unit length to the measurement using the longer unit length, and explain how the size of the unit length affects the measurement.
* Estimate the length of a given object in inches and feet.
* Estimate the length of a given object in centimeters and metes.
* Measure the length of any object in a given unit.
* Find the difference in length between 2 objects using standard units.
* Add and subtract lengths of the same unit within 100.
* Represent addition and subtraction word problems involving lengths of the same unit by using drawings and equations with symbol for the unknown length.
* Solve for the unknown number in an equation from a word problem.
* Create a number line with whole number intervals.
* Represent whole numbers on a number line.
* Find sums and differences within 100 using a number line.

If, at any time throughout Module 2, you have any questions or concerns regarding your child’s progress, please feel free to contact his or her teacher.

Sincerely,

MUFSD 2nd Grade Teachers