**Math Unit Organizer**

**Unit 3: Length**

**2nd Grade Allen, Meister, and Siemens**

**Previous Unit:**  **Next Unit**

Addition and Subtraction Weight

**Integrated Units:**

N/A

**Singapore Content:**

1. Measuring Length in Meters
   1. understand the meter as a unit of measurement
   2. estimate the length of an object as equal to, longer than, or shorter than a meter
   3. measure length to the nearest meter
   4. estimate lengths longer than a meter
   5. find total length in meters by addition
   6. find difference in length by subtraction
2. Measuring Length in Centimeters
   1. understand the centimeter as a unit of measurement
   2. measure length to the nearest centimeter
   3. compare length in centimeters
   4. measure curved lengths
   5. use a measuring tape
   6. draw a straight line of a given length in centimeters
3. Measure Length in Yards and Feet
   1. understand the yard and foot as a unit of measure
   2. measure length to the nearest yard or foot
   3. compare a yard with a foot
4. Measuring Length in Inches
   1. understand the inch as a unit of measurement
   2. measure length to the nearest inch
   3. compare a yard with a meter
   4. compare an inch with a centimeter

**Core Knowledge Connections**

1. Linear Measure

* make linear measurements in feet, inches, and centimeters
* know that one foot=12 inches
* know abbreviations: ft., in.
* measure and draw line segments to ½ inch, and in centimeters
* estimate linear measurements, then measure to check estimates

**Common Core State Standards:**

*Write numbers to 1,000.*

**2.NBT 3.** Read and write numbers to 1000 using base-ten numerals, number names, and expanded

form.

*Order and compare numbers to 1,000*

**2.NBT 4**. Compare two three-digit numbers based using the signs **<**, **>**, and **=** on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.

*Count*

**2.NBT 2**. Count within 1000; skip-count by 5s,

by twos, threes, fives, and tens

by tens from any given number

by hundreds to 1,000; by fifties to 1,000

forward and backward

10s, and 100s.

*Make linear measurements in feet and inches, and in centimeters.*

**2.MD 1.** Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

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

*Know that one foot = 12 inches.*

*Know abbreviations: ft., in.*

*Measure and draw line segments in inches to 1/2 inch, and in centimeters.*

**2.MD 6.** Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, ..., and represent whole-number sums and differences within 100 on a number line diagram.

**2.MD 9.** Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.

**Common Core State Standards covered at CK Grade Level**

*Estimate linear measurements, then measure to check estimates.*

**2.MD 3.** Estimate lengths using units of inches, feet, centimeters, and meters.