Unit 4a-Measuring Length

Content Area: **Mathematics**
Course(s): **Math 2**
Time Period: **Marking Period 4**
Length: **MP4 Topic 12 12-1 to 12-9**
Status: **Published**

Essential Questions

- How can I estimate and measure the length of an object?

Big Ideas

- **Estimating Lengths:** Students will estimate length by using familiar objects such as paper clips and thumbs to understand the size of standard units.
- **Measuring with Customary and Metric Units:** Students will learn to measure objects to the nearest customary unit (inches, feet, and yards) using appropriate tools such as rulers. Students will also use metric units (centimeters and meters) to measure the length of various objects.
- **Choosing Appropriate Tools and Units:** Students will use measuring tools such as rulers, yardsticks, and measuring tape and decide which tool is the appropriate one to use based on what they are measuring.
- **Comparing Lengths:** Students will use addition and subtraction to compare two lengths.

CSDT Technology Integration

8.1.2.AP.2: Model the way programs store and manipulate data by using numbers or other symbols to represent information.

Activity:

In small group Math Work, students will use chromebooks to navigate BrainPop Jr. Students will watch the videos on inches and centimeters. After these are watched, students will complete a digital quiz.

Enduring Understandings

Measurement and Data

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

2. MD.A.2 Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.

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

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

2. MD.B.5 Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.

Mathematical Practices Focus

6. Attend to precision.