

Title: "Measuring Up"

Brief Overview:

This Concept Development Unit will introduce the students to nonstandard and standard units of measurement. Students will use different objects to measure such as counting bears, base ten blocks, paper clips, pennies, etc. to identify nonstandard units of measurement. They also will be introduced to the centimeter, decimeter, and meter. Each lesson will include a literature connection, discussion exploration, and assessment.

Pre-Requisite-Basic knowledge of place value

NCTM Content Standard/National Science Education Standard:

Students will:

- Understand how to measure using nonstandard and standard units.
- Measure with multiple copies of units of the same size such as paper clips laid end to end
- Use repetition of a single unit to measure something larger than the unit.
- Use tools of measure
- Select an appropriate unit and tool for the attribute being measured

Grade/Level:

Grades 1-2

Duration/Length:

Three Days/50 minutes each day

Student Outcomes:

Students will:

- Know the difference between nonstandard and standard units of measurement.
- Know the difference between a centimeter, decimeter, and meter
- Learn how to manipulate a metric ruler
- Learn how to convert measurement units
- Measure objects using nonstandard units of measurement
- Measure objects to the nearest centimeter

Materials and Resources:

- Paper clips
- Pennies (10 rolls)