

Me and the Measure of Things 3rd Grade

Objectives

Math:

SOL 3.14 Estimate, measure and draw length in metric and customary units

SOL 3.14 Estimate and measure weight/mass in metric and customary units.

Reading:

SOL 3.5, 3.6 Relate previous experiences to the topic and to what is read

SOL 3.5, 3.6 Organize and record information by charting, mapping and graphing

1. Begin with asking question “why do weights and measures play an important part of world and give an example.” Have students discuss with shoulder partners, heads together, etc.
2. Read the story *Me and the Measure of Things*.
3. Break into 4 groups and have stations around the room.
 - a. Station 1 – Weights: large scale to weigh the students, balance scale to weigh gummy bears, manipulatives, etc. against paper clips or gram weights, spring scale
 - b. Station 2 – Distance: Maps with distance scales and have students interpret (can use an atlas, worksheets, etc.)
 - c. Station 3 – Lengths and Widths: Rulers, measuring tape – have students measure different object like partner, desk, etc. can do in metric and US customary
 - d. Station 4 – Cups, Pints, Quarts and Gallons: If you had a volunteer you could make a simple recipe, if not have students measure different types of liquids, flour, sand, salt, sugar, etc.

Assessment

4. Exit ticket – Which station was your favorite and why? How is measurement important in our world?
How will you use measurement in the next week?

Additional ideas: Make your own recipe or sequencing a recipe, gallon man, analogies

Differentiation ideas:

Divide group by ability Low, Med-Low, Med-High, High – Teacher follows low group throughout to provide more guidance

Give Low and Med-Low groups set objects and amount of objects

Give Med-High, High - choices of objects, measure and compare different objects, interpret measurements by comparing estimates to actual answers

Name: _____

Station 1 – Weights

Type of scale	Object	Estimate	Measurement

Station 3- Lengths and Widths

Type of measuring tool	Object	Estimate	Measurement

Exit Slip

Which station was your favorite and why?

How is measurement important in our world?

How will you use measurement in the next week?

Exit Slip

Which station was your favorite and why?

How is measurement important in our world?

How will you use measurement in the next week?
