



School:	Normal Park Museum Magnet	Author(s):	Stephanie Higgs
Lesson Title:	Measuring Ocean Animals	Grade Level(s):	2nd
Standard:	See bottom of page two	State:	Tennessee
Content Area:	Mathematics	Time Duration:	60 minutes
Learning Target:	Students will measure objects using inches.	Materials:	Tape, pictures of ocean animals, rulers, recording sheet
Key Vocabulary:	compare, contrast, measure, inches, feet	Technology Connection:	Students will record measurements of ocean animals on the Active Board.

Engage Now: <i>Opening</i>	The students have been learning all about ocean creatures during our module lesson each day! Today they will have the opportunity to explore the lengths of different ocean creatures.
Teach Now: <i>Mini Lesson</i>	The teacher will review the 'Tools & Rules' of measurement. Students are expected to contribute the following responses. Tools we use include: paper clips, pop cubes, rulers, tape measures, yard sticks, and meter sticks. Rules we should follow include: Start at the beginning of the object and stop at the end, use the same unit of measurement for the entire length, don't overlap units, measure in a straight line, do not leave spaces between units of measure. After reviewing the tools and rules of measurement, the teacher will introduce today's measurement task.
Explore Now: <i>Independent Practice</i>	The student will work with a math partner to measure lengths of tape around the classroom. Each piece of tape depicts the exact measurement of an ocean creature. A colorful picture of the ocean creature is located beside the piece of tape. The students will measure six ocean creatures and record their measurement in inches or feet on a recording sheet. The student will pick their favorite two ocean animals and compare and contrast which animal is shorter or longer than the other.
Closing:	The class will review the lengths of six ocean animals. The teacher will record student measurements on the Active Board. The teacher will record student examples of comparing/contrasting.

Show Me Now: Assessment	The teacher will be walking around the room and monitoring students for accuracy as they measure different lengths of tape. The teacher will be informally assessing student recording sheets while students are measuring different creatures. The teacher will immediately address misunderstandings as students are working.
Differentiation Opportunities:	Students who finish early may use a piece of tape to measure and create the length of their research ocean animal.
Class/Home Extensions:	Students will explore an assigned ocean animal at home with their family. Students will be responsible for sending in research about the shape and size of their ocean research animal.
Expedition Opportunities:	Students may travel to our local aquarium where they can learn more about different shapes and sizes of marine life.
Project-Based Learning Opportunities:	Students will be creating a fabric ocean animal in art class. They have been researching this animal during a library class each week. They will create this ocean animal to scale based upon its measurements.

CCSS.MATH.CONTENT.2.MD.A.1

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

CCSS.MATH.CONTENT.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.