



Student Teacher Miss Morgan Snyder Date 4/2/2012

Grade Level 5th Grade Subject Math (Co-Teaching) Supervisor Mrs. Dorothea Miller

Lesson Title: Measurement Olympics

PRELIMINARY PLANNING

PA Standards:

- 2.3.5. B: Select and use appropriate instruments and units for measuring quantities to a specified level of accuracy.
- 2.3.5. D: Perform basic conversions within a system.

Pre-Assessment:

- Students have been learning about customary and metric units of measurements. They have completed several homework assignments which have been reviewed by the teachers.
- Students have been quizzed on their ability to make conversions of customary units. These quizzes were graded and reviewed by the teacher.
- The teacher has conferenced with the regular classroom teacher and the special education teacher to gain an understanding of student ability and interest.

Objectives:

- Students will be able to demonstrate their understanding of measurement (customary/metric) by recording all information into their Measurement Olympic Packet with at least 90% accuracy.
- Students will be able to follow directions and do what is expected with few reminders from the teacher.

Individual Modifications:

- The teacher has reviewed all IEPs for the special education students. This lesson was designed with the needs and required accommodations of these students in mind.
- All directions have been written in an easy to follow step by step format. Also picture icons have been used to aide those students who have difficulties reading.

Materials:

- Direction Sign for each event
- Measuring Olympics Packet for each student
- Bean Bag Toss (Bean Bags, Basket, Scale –pounds)

- Careful Carry (Water, Trays, Measuring cup – liters)
- Plate Discus (Paper Plates, Measuring Tape – inches)
- Marble Grab (Marbles, Bag, Basket, Scale – grams)
- Standing Jump (Meter sticks)
- Sponge Squeeze (Sponge, Water, Bucket, Measuring cup – ounces)

Lesson Essential Question

- How do we measure and convert in customary and metric units?

LEARNING SEQUENCE

INTO

Time:

- There will be three teachers in the classroom.
- Each teacher will be in charge on one category (Length, Weight, Capacity). Each category contains two events.
- The teacher will introduce and briefly explain the Measurement Olympics activity to the class.
- Each student will receive their Measurement Olympics Packet.
- Together the class will read through the packet.
 - They are responsible for answering #1 for each event (#2 will be answered at a later time)
- Students will be split into three equal groups.
 - Red Team
 - White Team
 - Blue Team

THROUGH

Time:

- Students will begin the competition. They need to take their packet and pencil with them.
- Each student team will be assigned to a category.
- The teacher in charge of that category will guide the students in the two events at their station.
 - Students will need to complete the event and record their results under #1 in each packet.
 - If a teacher sees something they are very happy with they will award a medal/ribbon.
- Students will rotate after about 10-15 minutes.
- This rotation will continue 3 times so that each team has a chance to complete each event.

BEYOND**Time:**

- Students return to the classroom.
- If time permits, students will use their calculators and conversion sheets to answer #2 in the packet for each event.

POST INSTRUCTIONAL PLANNING

Reflective Action Plan

(What worked? What did not work? Did you meet your objectives? What adjustments will you make? What students will need more assistance? What will you do next?)