Mass and Weight Lesson Plan

Teacher
School

Date
SLE # PS.6.6.6: Compare and contrast weight and mass, NS.1.6.5: Communicate results and conclusions from scientific inquiry

Objectives:
Content: I will be able to compare and contrast weight and mass.
I will be able to communicate results and conclusions from scientific inquiry.

Language: I will use the terms mass, weight, measure, conclusion, and inquiry while working with my group.

Assessment: Students will be assessed based on their activity sheet and closure writing.

Technology/Materials: spring scales, balances, science trays, various objects with similar size and shape (ie tennis balls and foam balls, sponges and small bars of soap, golf balls and ping pong balls, etc), plastic shopping bags (for weighing using spring scale), activity sheet, pencil

Vocabulary: mass, weight, measure, conclusion, inquiry

Bloom’s: X Remembering X Understanding □ Applying X Analyzing □ Evaluation □ Creating

Questions: Tell me what mass is. Tell me what weight is. Describe how you would determine an object’s mass. Describe how you would determine an object’s weight. Which tools would you use for those measurements?

High Yield Strategies: X Identifying similarities & Differences X Summarizing & Note Taking X Cooperative Learning
X Reinforcing Effort & Providing Recognition X Setting Objectives & Providing Feedback □ Generating & Testing Hypotheses
X Cues, Questions & Advanced Organizers □ Homework & Practice X Nonlinguistic Representations

Instructional Strategies:
Engagement: Activate prior knowledge by asking questions above. Show the students the objects that they will be investigating. Show the students the different tools they will be using to measure mass and weight.

Exploration: Allow students to investigate the objects and find out the mass and weight of the objects.

Explanation: During activity, walk around the room asking the students about the differences between mass and weight. Ask students to describe what mass and weight are and how they are measuring them.

Elaboration: Allow students to find other objects in the room that have similar size and shape to measure.

Intervention Strategies: Remodel as needed, walk throughout the room to facilitate learning while asking questions.

Accommodations & Modifications (IEPs) See individual IEPs. Group as needed.

Evaluation: Allow students to share their results with the class.

Closure: Have students complete their activity sheet and then write in their journal about the following questions:
- How are mass and weight similar?
- How are mass and weight different?
- Describe what would happen to your measurements if we were to take the objects to the moon to measure.
**Homework:** Complete activity sheet if not already completed. Allow students to find objects at home with similar size and shape to bring in to measure.