

Rotation and Revolution Review

Background Information

This activity will assess student understanding of rotation and revolution.

Objectives

By the end of this activity, students will be able to:

- demonstrate the motion of rotation and revolution.
- determine when best use of rotation and revolution.
- develop social/group skills.

Instruction Time

30 Minutes

Materials

- Large open space, like a gym or playground area
- Students

Procedure

1. Teacher should stand in the center. Students should scatter around teacher at various distances.
2. Tell students that they are each going to be a planet and that you (teacher) are the Sun.
3. The Sun (teacher) will shout out words, and the students must perform the appropriate action to represent each word.
 - a. **Rotate** – students should spin around, but stay in the same spot on the ground
 - b. **Revolve** – students should move around (orbit) the Sun
 - c. **Rotate and Revolve** – students should spin around while they orbit the Sun
 - d. **Day** – students should face the Sun
 - e. **Night** – students should turn away from the Sun
 - f. **Summer** – students should stand in place and lean toward the Sun
 - g. **Winter** – students should stand in place and lean away from the Sun
4. Give students various commands and combinations of commands to assess understanding of relationships between Sun and Earth.

Expected Results & Explanations

1. At various times, stop students and ask them questions: Raise your hand if you are in the “day”. “Night.” “Summer.” “Winter.”
2. Play a “Simon Says”-style game where students are eliminated if they do the wrong action for each activity.
3. Put a student in the position of the Sun to shout out command words.