INTERMEDIATE ACTIVITY: Exploring Balancing Forces

GOAL: To develop students' critical thinking skills and introduce them to the concepts of force, balancing forces, and force relationships.

MATERIALS:

- □ 12 rulers (2 per group)
- 6 pencils (1 per group)
- 6 quarters (1 per group)
- 6 nickels (1 per group)
- 6 dimes (1 per group)

PROCEDURE:

- 1. Place students into six groups. Give each group one set of the materials listed above.
- 2. Using the diagram, explain that the force of the coin equals the weight of the coin over the distance it is moved. Instruct the students to work together to complete the assignment below.
- 3. After 20 minutes, discuss and evaluate the activity with the students.

