

## What is Motion?

### **Overview:**

Use this lesson to activate students' exploration of the various types of motion.

### **Materials Needed:**

Pictures or objects that are in motion

### **Description of Activity:**

Show pictures of examples of motion that are seen every day. Demonstrate various types of motion: the back and forth motion of a pendulum; the circular motion of a pen tied to the end of a string and swung like a lasso; the circular motion of a skipping rope during single or double-dutch skipping; the repetitive motion of combing one's hair or vacuuming. The up and down motion of a rubber ball dropped from the height of 2 metres, the flight of a paper airplane, the fall of a feather or a flat piece of tissue paper, or the fall of maple, elm, or dandelion seeds are other examples. Ask the students what all of these items have in common. (They are all moving.)

Then ask them to give examples where they have seen that type of motion in another situation. Have the students bring reports of different types of motion that they see when they are out of the classroom during the next few days.

See if they can begin to categorize motion by the forces of pushing and pulling.

This activity could be integrated into the Arts Education dance and drama strands by asking the students to imitate the types of motion in this activity in their body motions. They could also use hand puppets to illustrate the motions. The students could also describe any motions which are being used in the dance strand of Arts Education.