

**Science Content Standards**  
**For Multi-Grade 2 / 3 Classrooms**  
(Adopted May 2005)

**Physical Sciences:**

**The energy from an object in motion transfers to objects in its path.**

As a basis for understanding this concept:

*Students know* that distance, weight, size, mass, and resistance affect energy.

**Life Sciences:**

**The human body consists of interdependent systems and structures.**

As a basis for understanding this concept:

- a. *Students know* that the human body has a skeletal system.
- b. *Students know* that joints control versatility of movement.
- c. *Students know* that muscles are the power source for the human body.
- d. *Students know* that different stimuli affect the human body's responses.

**Earth Sciences:**

**Water, an earth material, consists of properties that react in predictable ways.**

As a basis for understanding this concept:

- a. *Students know* that water has certain properties and behaves differently on different surfaces.
- b. *Students know* that the properties of water change, depending on its state.
- c. *Students know* that various factors influence the condensation and evaporation of water.
- d. *Students know* that water interacts differently with various earth materials.

**Investigation and Experimentation:**

**Scientific progress is made by asking meaningful questions and by conducting careful investigations.**

As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations.

Students will:

- a. Make and confirm predications based on observed patterns and not random guessing.
- b. Collect data through measurement and observation.
- c. Record observations in writing, drawings, and graphs.
- d. Follow the steps for a scientific investigation, repeating some investigations to improve accuracy while understanding that results seldom turn out exactly the same because of differences in things being investigated, methods being used, or uncertainty in the observation.