

Content Area: Science
Standard: Physical Science

Prepared Graduates:

- Observe, explain, and predict natural phenomena governed by Newton's laws of motion, acknowledging the limitations of their application to very small or very fast objects

Grade Level Expectation: Kindergarten

Concepts and skills students master:

1. Objects can move in a variety of ways that can be described by speed and direction

Evidence Outcomes

Students can:

- a. Observe, investigate, and describe how different objects move
- b. Describe the motion of a child who is playing

21st Century Skills and Readiness Competencies

Inquiry Questions:

- What can change how fast or slow an object travels?
- What indicates which objects will be easier or harder to move?

Relevance and Application:

- People must push harder to move their bikes, skateboards, or scooters as they go faster or as they go up a hill.
- Information about motion can be represented in pictures, illustrations, and simple charts.

Nature of Science

- Recognize that scientists try to be clear and specific when they describe things.
- Make predictions about the motion of an object.
- Ask testable questions about the movement of objects.