

# 1<sup>st</sup> Grade Science in the Toy Box Unit

## Unit Overview

The Science in the Toy Box unit, taught using Harcourt Brace *Science Anytime*, provides students an opportunity to study systems and interactions. Using common toys, students study forces, the way things move, and the interactions of parts.

### Essential Questions:

1. What makes things move?
2. What are the different ways things move?
3. How do the parts of a system (toy) work together?

### Unit Questions:

#### Content

1. How can we change the way something is moving?
2. How can we make things easier to move?
3. What happens to an object if it is not fully supported or held up?

#### Process

1. When repeating an experiment, what should we expect to happen?
2. What are some ways to describe something?
3. How are models like the real thing? How are they different from the real thing?
4. Why are models helpful?
5. Why is it helpful to work in a group?

**Lesson Summary** (Some descriptions excerpted from pages C11, C21, C31, and C43 in Harcourt Brace *Science Anytime*.)

Section 1: Students demonstrate how people can use their bodies to push and pull objects to make them move. They classify push and pull words. Through the game *Go for the Gold*, students learn that they can change the way something is moving by changing the amount or direction of force applied to the object. Students learn that wheels (a tool) make it easier to move things and explore how wheels work by designing and building a model car.

Sections 2 & 3: Students learn that air, water, and magnetism are forces that can move things.

Section 4: Through various experiments, students learn that objects that are not fully supported fall to the ground. Students also learn to collect numerical data and use it to compare objects and events.