

Movement and Sound

Summary

A force is a push or a pull. Gravity is a force that pulls things down. Using more or less force changes the way an object moves. Speed is how fast or slow things move. Objects can also move in different directions. They can be in different places. Magnets attract some metal objects and repel other objects. Magnets have a north and a south pole. Opposite poles attract or move to each other. Like poles repel or push away from each other. Sounds are made when things vibrate. Sounds can be loud or soft. There are many different sounds.

Before Reading

Take a Picture Walk

Build background for the book by taking a picture walk with children. Discuss the pictures and preview the key vocabulary and concepts. Encourage children to describe the different ways they can move.

Vocabulary

attract, force, gravity, magnet, pole, repel, speed, vibrate

Comprehension Skill: Cause and Effect

Say: Sometimes one thing can cause another thing to happen. What happens when you pull the handle of a wagon? What causes a baby carriage to move?

During Reading

Think Critically

Have children answer the *What Did You Learn?* questions located on the inside back cover of their book.

1. What kind of force makes things fall to the ground? Gravity makes things fall to the ground.

2. How can you make a toy car go fast?

You can push it with a lot of force.

After Reading

Writing in Science

The poles of magnets make them attract or repel each other. Write to explain how the poles of magnets work. Use words from the book as you write.

Organize Information

Graphic Organizer: Cause and Effect Have children complete the Cause and Effect chart on the BLM for this Leveled Reader to tell what causes a metal toy car to be attracted to a magnet.

Related Resources

Vocabulary Cards	Equipment Kit
Every Student Learns	Activity Flipchart
Quick Study	LabZone
Big Book of Science Songs and CD	
Graphic Organizer Transparencies	
Quick Activity Transparency	
www.pearsonsuccessnet.com	

Write your answers.

1. What is speed?
Speed is how fast or slowly something moves.
2. What are some ways objects can move?
Objects can move up and down or left and right. They can go straight or curve.
3. When is a sound made?
A sound is made when something vibrates.
4. You have two toys. One is a metal car and one is a rubber duck. The car attracts a magnet but the duck does not. Why? Use the graphic organizer to help you.

Possible answer:

Cause and Effect

Cause

Effect

A magnet attracts metal.

A magnet will attract a metal toy car but not a rubber duck.