

Grade: Kindergarten Subject: Science
Goes with Pages: HMH Science Dimensions pages 37-53

Topic: Force and Motion Lesson 1: What is Motion?

What Your Student is Learning:

- Pushes and pulls can have different strengths and directions.
- Pushing or pulling on an object can change the speed or direction of its motion and can start or stop it.

Background and Context:

This packet should be completed in about 10 30-minute lessons.

Ways to support your student:

As you interact with your child in daily life, use the vocabulary and ideas presented in the chapter. For example:

- Ask them to identify whether a given motion is a “push” or a “pull”. (For example, children may “push” a shopping cart or “push” a ball with their foot. Children may “pull” our socks on or “pull” a parent’s hand to get their attention.)
- Ask your child about whether the push or pull is making something move, or stopping it from moving. (Kicking a ball is a push that makes it moves, but stopping the ball with your foot is a push that makes it stop moving.)
- Ask your child whether the push or pull is changing the speed of something--making it go faster or slower.
- Ask your child to describe the direction of movement of an object (up and down, straight, back and forth, etc.)

As your child goes through this unit, work with them to plan and conduct investigations. Below are two that you can do with your child.

- Build a simple ramp and test whether a higher ramp makes a toy car go faster or slower. Predict what will happen and why, test your idea, and then try to explain what happened! (see pages 45-46)
- Choose on heavy object and one light object. Blow through a drinking straw to try to move the object. Predict what will happen and why, test your idea, and then try to explain what happened! (see page 50).

Read the instructions for the “Lesson Check” and “Self Check” activities (pages 51-53) with your child and help them indicate the correct answers. The answer key is provided.

[Click here to visit the Kindergarten Science Learning Guide](#)

Online Resources for Students:

<https://www.sesamestreet.org/toolkits/stem/force>

Padres, adjunto esta un glosario en español para su referencia.



Para las páginas en español visite el enlace:
<https://tinyurl.com/K1Force>