

Kindergarten 2020 Unit #2: Science - Forces and Motion

Content Area: **Science**
Course(s): **Science 1, Generic Course**
Time Period: **Marking Period 1**
Length: **24 Days**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

K-ESS2-1.4	Analyzing and Interpreting Data
K-PS2-1	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.
K-PS2-1.2.1	Simple tests can be designed to gather evidence to support or refute student ideas about causes.
K-PS2-1.3	Planning and Carrying Out Investigations
K-PS2-1.3.1	With guidance, plan and conduct an investigation in collaboration with peers.
K-PS2-2.4.1	Analyze data from tests of an object or tool to determine if it works as intended.
K-PS2-1.PS2.A.1	Pushes and pulls can have different strengths and directions.
K-PS2-2.PS2.A.1	Pushes and pulls can have different strengths and directions.
K-PS2-2.PS2.A.2	Pushing or pulling on an object can change the speed or direction of its motion and can start or stop it.
K-PS2-1.PS2.A.2	Pushing or pulling on an object can change the speed or direction of its motion and can start or stop it.
K-PS2-1.PS2.B.1	When objects touch or collide, they push on one another and can change motion.
K-PS2-1.PS3.C.1	A bigger push or pull makes things speed up or slow down more quickly.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How are pushes and pulls different?
- How can we change the way things move?
- What is Motion?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Motion is the act of moving.
- Pushing or pulling on an object can change the speed or direction of its motion and can start or stop it.
- There are different strengths.

Content

SWBAT plan and conduct an investigation about the speed of objects.

SWBAT gather evidence to support or refute ideas about what causes motion.

SWBAT analyze data from tests to determine if a tool works as intended.

SWBAT explore pushes and pulls of different strengths and their effect on objects.

Assessment

Lesson Check

Self Check

Unit 2 Assessment

Resources

HMHCO Online Component

HMHCO Student Workbook

Non-Fiction Leveled Readers (How Can Objects Move and Magnets Help Us Every Day)

United Streaming

Brain Pop

Experiments/Observations/Journals

Mystery Science

Let's Find Out Scholastic Magazine

Science Spin - Let's Find Out Scholastic Magazine