



Science Virtual Learning

2nd Grade Force and Motion

What is Friction?

April 9, 2020



2nd Grade Science Lesson: April 9th

Learning Target:

Students will be able to determine how friction affects motion.

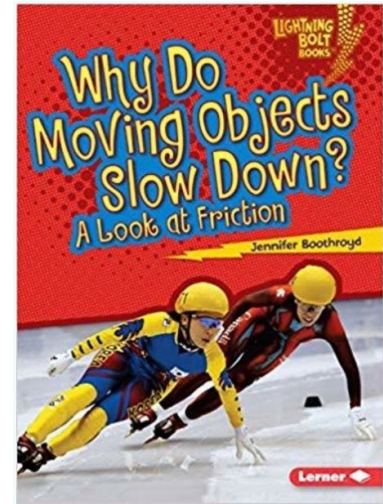
Background: This is a review lesson from 2nd Grade

- Students begin focusing on friction and how it affects movement of objects
- Review Lesson 3 in detail

Let's Get Started:

Watch Videos:

1. [Study Jam: Force and Motion](#)
2. Find the ebook “[Why Do Moving Objects Slow Down? A Look at Friction](#)” on Mid-Continent public library.
(put isd+lunch number for library card number)



Think back to the book.

- Surfaces with bumps have more friction.
- Smooth surfaces have less friction.

Practice #1: More Friction

Which surface would have the **MOST** friction?



Think back to the book.

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Practice #1: More Friction

Which surface would have the MOST friction?

The sidewalk has many bumps and grooves giving it more friction when we walk.



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Practice #2: More Friction

Which surface would have the *MOST* friction?



Think back to the book.

- Surfaces with bumps have more friction.
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Practice #2: More Friction

Which surface would have the MOST friction?

The grass has more friction because that wood floor has less bumps and grooves.



Think back:

Think back to the book.

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Practice #3: High friction or low friction?

Place the pictures in the correct column.

High Friction

Low Friction



Think back:

Think back to the book.

- Surfaces with bumps have more friction.
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Practice #3: High friction or low friction?

High Friction



Low Friction



MORE Practice on your own:

1. [Game](#)
2. Make the car slide to the blue flag by dragging on the track surface. Change the surface to make it reach the blue flag



Practice:

Complete this page in your packet.

FRICION SCAVENGER HUNT

Search your house and around your yard for different materials that can cause more or less friction. Fill out the chart below with your findings.

Material	Texture of Material <small>Rough, smooth, etc.</small>	Would this cause high or low friction?

Click here to open worksheet.



Self Check:

Go tell someone in your home your answers.



1. Was this lesson?

- easy,
- just right
- hard

2. Get a toy and try to push or pull it across different surfaces in your house. Which has the most friction? Which has the least?