

WONDER TOGETHER • 10

What slows the slide?

One block. One little ramp.
A towel changes the story.



GUESS BEFORE YOU SWIPE

Bare ramp. Or towel?

Will the block slide on the bare ramp?
What if we cover it with a towel?

Share a guess before each test.



FIRST, THE BARE RAMP

Down it goes!

Gina lets go without a push.
The block slides to the bottom.

Remember where it started.



START HERE

NOW, ADD THE TOWEL

This time, it stays.

Same block. Same starting place.
They add a towel and let go again.

What changed? What stayed the same?



START HERE

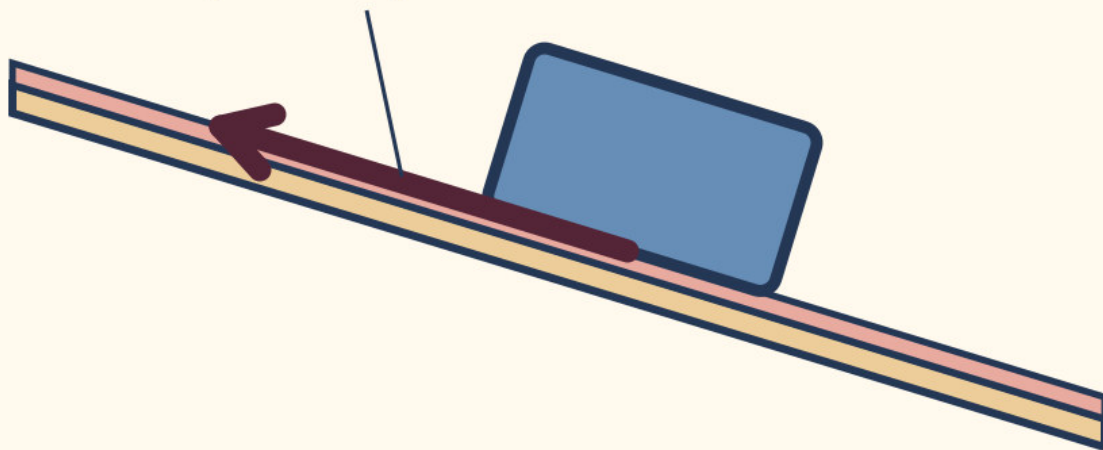
THE PART TO REMEMBER

Friction resists sliding.

Where surfaces touch, friction can slow a slide—or stop it from starting.

FRICION

Acts up this ramp



Where block and towel touch

More grip. Less slip.

TRY IT TOGETHER

Same ramp. New surface.

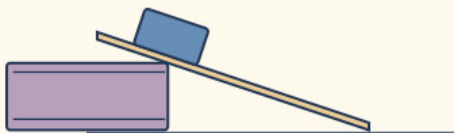
With an adult: stiff cardboard, a book, a large wooden block and a towel.

1



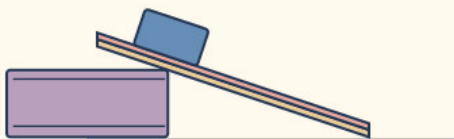
BUILD A LOW RAMP

2



RELEASE · NO PUSH

3



**ADD A FLAT TOWEL
TRY AGAIN**

Same height. Same block. Same start.

What does your block do?

Keep the ramp low, on the floor.
Adult steadies it. Keep toes clear.

KEEP EXPLORING TOGETHER

A little slide. A bigger question.

Explore Earth's pull in
Gina and the Great Gravity Hug.



Parents: read together in Kiddos Books.

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