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Movement and our shared space





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Movement and our shared space

Push a cart



Find the hand touching the cart. Which way would the cart move if pushed?

THE IDEA

A push can start a cart moving or change how it moves. The wheels turn as the cart rolls.

CHECK YOUR THINKING

You press a resting cart away from you. Is that a push or a pull?

> A push. Your hands apply a force away from you.

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Pull a drawer



Trace the path of the drawer as it opens.

THE IDEA

A pull can bring a drawer towards you. Its handle gives your hand a place to grip.

CHECK YOUR THINKING

Which action opens a closed drawer that slides towards you?

> Pull its handle towards you along the runners.

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Down a ramp



Find the top and bottom of the ramp. Which way is downhill?

THE IDEA

Gravity can make a ball roll down a slope. A ramp gives the ball a sloping path.

CHECK YOUR THINKING

Will a resting ball start rolling down a sloping ramp when you let go?

> Usually yes, if it is free to roll. Gravity pulls it downhill.

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A rug slows a ball



Compare the soft surface under the ball with a hard floor.

THE IDEA

Surfaces affect rolling. A soft rug can slow a ball sooner than a smooth floor.

CHECK YOUR THINKING

How could you compare the two surfaces fairly?

> Use the same ball and release it from the same ramp height onto each surface.

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Sort used paper



Look for the paper and its collection bin. What tells you where it belongs?

THE IDEA

Clean, dry paper can often be collected for recycling. Follow the local collection signs.

CHECK YOUR THINKING

Why check the label on a bin before dropping in paper?

> The label tells you what the local collection accepts.

ONE LAST CHALLENGE

Where could the toy go?

A toy is lying in the doorway. Your friend wants to walk through.



THE REVEAL

In a box or on a shelf beside the path.

Everyone can reach the toy and the doorway stays clear.

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