

# CARS AND RAMPS

**How can I make a toy car travel more slowly down a ramp?**

When you push a toy car it eventually stops moving because of a force called **FRICTION!**

Rough surfaces increase friction, so a toy car will move more slowly on a rough surface than on a smooth surface.

**Friction happens when two objects are rubbed together!**



## You'll need

A toy car

A flat wooden board or large sheet of card for a ramp

Tape

Bubble wrap or felt

Timer

## Instructions

Time how long it takes the toy car to roll down the ramp without pushing it.

Cover the ramp with bubble wrap or felt. This increases the amount of friction between the car and the surface of the ramp.

Time how long it takes the toy car to roll down the ramp again.

**Does the car travel further after going down the smooth ramp or the rough ramp?**

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Adult supervision required. You are responsible for your own safety.

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