

ROLLING EGGS

STEM CHALLENGE

Roll eggs covered in different materials down a ramp to find out which is the fastest.

You'll need

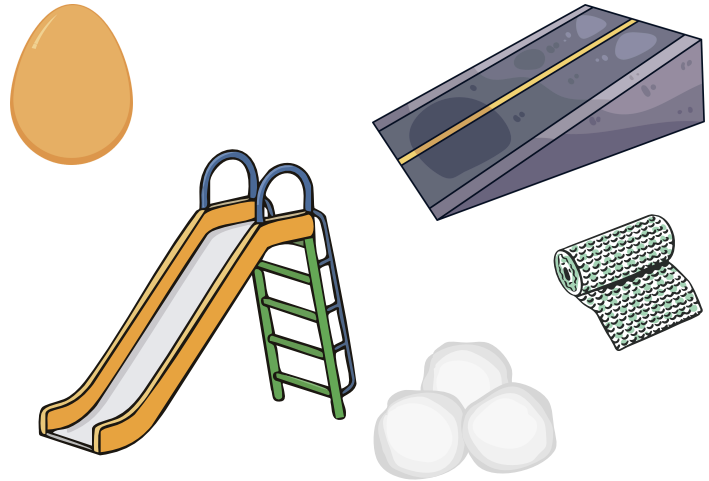
Egg – boiled is less messy

Timer

Pen or pencil

Materials to wrap around the egg – bubble wrap, cotton wool, cardboard etc

Ramp or slide



Instructions

Draw a start line near the top of your ramp and a finish line near the bottom.

Record how long an unwrapped egg takes to roll between the start and finish points.

Wrap an egg in one of your test materials and time how long it takes to travel between the start and finish lines of the ramp.

Repeat 3 times for each test material and record the results.

Extension Ideas

Try covering the ramp with different materials instead of wrapping the egg. Are the results the same? Which material slows the egg down the most?

Top Tip - think about friction!

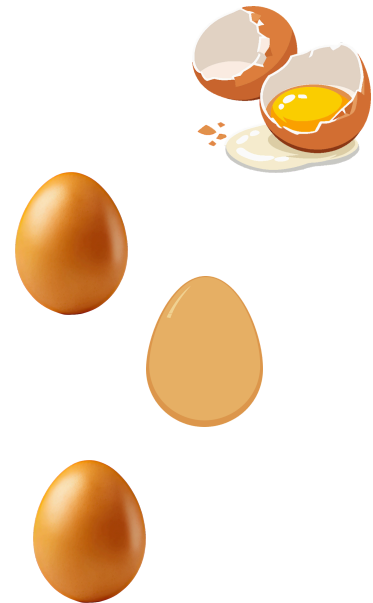
Friction is created when things are pulled past each other. The rougher the surface, the more friction is created. Friction slows moving objects down.

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Results

Material	Time (seconds)	Time (seconds)	Time (seconds)

Conclusion



The egg wrapped in was the fastest.

The egg wrapped in was the slowest.

