

The Fascinating Effects of Friction!

This half term we've been learning forces such as gravity, magnetism and friction. So we decided to investigate the effects of friction first hand! We completed an experiment using a ramp, a ruler, a toy car and some different materials.



"We found that fabric made more friction than sandpaper!"
- Sonny

We measured the amount of friction on a surface by lifting the surface and measuring the height of the ramp when the car would start moving. We tested out a few different materials like wood, foil, sandpaper and fabric. We then recorded our results in a table.



Measure how high the ramp needs to be for the car to start to move
Record your results below.

Surface	Height of Ramp When the Car Started Moving
Smooth wood	2.5 cm
Rough wood	2 cm
Fabric	4.5 cm
Foil	2 cm
Sandpaper	2.5 cm

Was your prediction accurate?

My prediction was wrong Because
had the most friction