



LO: compare how different things move on different surfaces

We are going to investigate how objects move on different surfaces. To complete your investigation, you will need:

- a toy car (or something similar)
- a ramp (this can be a piece of wood or plastic)
- a tape measure or ruler
- 3-5 different materials to put on the ramp e.g. carpet, cardboard, paper, etc

Our investigation

We are going to investigate which materials let the car travel the furthest.
Which materials make the car travel the least furthest.

Method (what you will do)

- 1) Set up a ramp for your car to travel down.
- 2) Put a material on the ramp e.g. cardboard.
- 3) Let the car roll down the ramp and then measure how far it travels off the ramp.
- 4) Repeat with all your different materials.
- 5) Complete the grids highlighted in yellow.



Prediction

Which material do you think will allow the car to travel the furthest? Why?

The least furthest? Why?

Surface	Distance travelled in cm

Analysis of results

What did you find out?

Conclusion

Why did you get the results you did?