Science

This week, we're going to look at an investigation about friction.

Friction is a force that acts to stop the movement of two touching things.

For today, I'd first like you to read the **Equipment list** and the **Method** below.

Then, I'd like you to, in your home learning book, add in a question that we could investigate (makes sense with the equipment list and method you have just read).

After that, using the sub-heading **Prediction,** write what you think is likely to happen in our investigation – a best guess.

Finally, for today, beneath your question and your prediction copy out the **Equipment list** and **Method**, so you're ready to complete the investigation tomorrow.

Equipment list

- Ramp
- Different surfaces for the ramp – smooth plastic (like the surface of a white board); sandpaper; carpet and a towel
- A toy car
- Ruler

Method

1. First, set up the ramp, ensuring a clear space in front of it.
2. Then, add one of the surfaces to the ramp.
3. Next, place the toy car at the top of the ramp.
4. After that, release the car so it travels freely down the ramp.

5. Measure the distance the car travelled once leaving the ramp and record it in a results table.
6. Finally, repeat the process, using a different surface each time, until you have used all the different surfaces.