

Research and Enquiry

Can you make notes about forces?
Follow this link for an introduction to forces:

<https://www.bbc.co.uk/bitesize/topics/zvpp34j/articles/zywcrdm>

Follow this link to learn about friction:

<https://www.bbc.co.uk/bitesize/topics/zsxxsbk/articles/zxqrdxm>

- Can you make notes of the key facts you have learned?
- Can you find out what these key words mean? **Force, push, pull, friction, movement, motion, balanced and unbalanced forces**
- You could present what you have found out as bullet points, a mind map or a poster.

Design a poster

Can you design a poster showing what you have learnt about magnets?

Research magnets here:

<https://www.bbc.co.uk/bitesize/topics/zyttyrd/articles/zpvcrdm>

On your poster you could include:

- What the words **attract** and **repel** mean
- What the **two poles** of a magnet are called
- Drawings and pictures of how magnets **attract** and **repel** each other

Music

Can you sing and dance along to this GoNoodle routine?

Have a dance along to the 'Think Like a Scientist' song to help you get ready for all the amazing Science work you're about to do!

<https://family.gonoodle.com/activities/think-like-a-scientist>

Investigation

Can you do an investigation into forces and friction?

You will need:

- A toy car (or something that will roll like a cup or cardboard roll)
- Different surfaces around your home (such as carpet, table, grass)
- Pen and paper to write down what you find out.

Push your car or object along the different smooth and rough surfaces. Can you predict whether it will be easy or hard to make it move?

Can you push it so it rolls/moves on it's own? Which surfaces is it easier to do this on?

Science - Forces

Home learning grid



Hands-on Activities

Can you try some different practical activities to learn about forces?

Explorify have some great videos to watch and activities to try at home to help you think about forces and have fun!

<https://explorify.wellcome.ac.uk/blog/explorify-at-home-forces>