

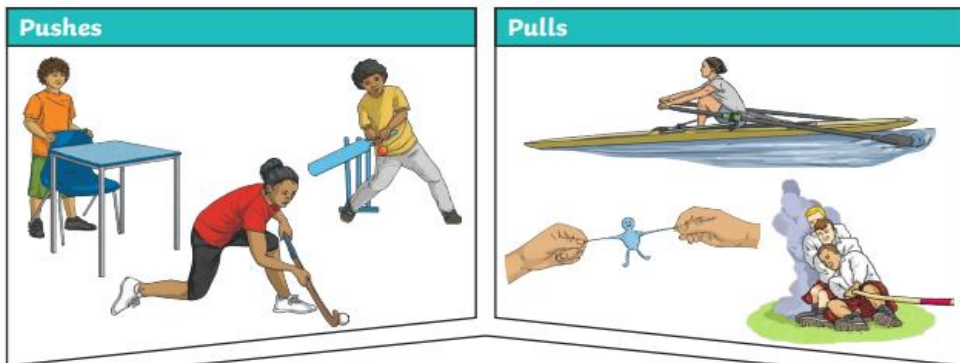
Forces and Magnets

Year 3 Science

Key Vocabulary

forces	pushes or pulls	poles	found at the end of magnets North and South poles
friction	a force that acts between two surfaces or objects that are moving or trying to move across each other	magnetic	objects which are attracted to a magnet are magnetic.
surface	the top layer of something	repel	force that pushes objects away
magnet	an object which produces a magnetic force that pulls certain objects towards it	attract	force that pulls objects together

What is a force?



Forces will change the motion of an object. They will either make it start to move, speed it up or even make it stop.

You will have the opportunity to develop these skills:

- Identify the type of force required to carry out an action.
- Investigate the force of friction produced by different surfaces.
- Identify magnetic materials. Investigate the strength of different magnets.
- Construct a bar chart of your results.
- Explain your predictions and conclusions using key words or prompts.

What is friction?

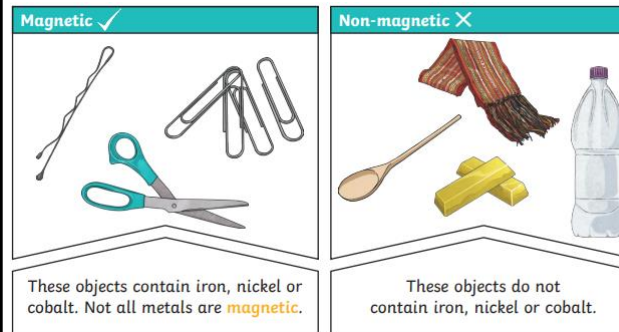
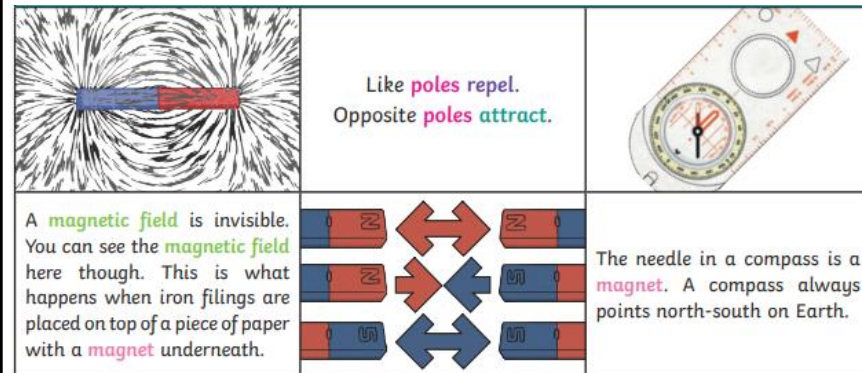
Different **surfaces** create different amounts of **friction**. The amount of **friction** created by an object moving over a **surface** depends on the roughness of the **surface** and the object, and the **force** between them.

The driving **force** pushes the bicycle, making it move.

Friction pushes on the bicycle, slowing it down.



What do we need to know about magnets?



Books for you to enjoy

