

Forces: Year 3 Knowledge Organiser

Pushes

Pulls

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

MAGNETS - are objects or materials that produce a magnetic field and attract or repel magnetic objects. Magnets have 2 poles: north and south. If you put magnets towards each other:

- 1 south pole and 1 north pole will attract
- 1 south pole and another south pole will repel
- 1 north pole and another north pole will repel

VOCABULARY	
Force	<p>Forces result from an interaction between two objects.</p>
VOCABULARY	
fissures	<p>Narrow opening or crack of considerable length.</p>
Push	<p>when you use force to move a thing (object) away from you</p>
Pull	<p>when you use force to move a thing (object) closer to you</p>
Gravity	<p>a pushing force exerted by the Earth, it attracts objects towards the centre of the Earth.</p>
Friction	<p>the force between 2 moving surfaces.</p>
Magnetism	<p>the force of attraction and repelling caused by a magnet</p>
Attract	<p>to pull towards (opposite of repel)</p>
Repel	<p>To push away (the opposite of attract)</p>

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.

distraught	Someone who is very troubled,
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