

Science Knowledge Organiser

Scream Machine



I already know:

- How objects move on different surfaces.
- How some forces require contact and some do not.
- How objects attract and repel in relation to objects and other magnets.
- How to predict whether objects will be magnetic and have carried out an enquiry to test it.
- How magnets work.
- Whether magnets will attract or repel and give reasons.

Key Vocabulary:

attract	to pull towards
contact	when objects touch
force	a push or pull that acts upon an object that can cause it to move, change shape or change direction
friction	the force that acts upon one surface when it moves against another
gravity	a pull force that acts at a distance
repel	to push away
resistance	an opposing or slowing force
Sir Isaac Newton	an English Scientist famous for his mathematical and scientific contributions to our understanding of the world, including gravity.

I will learn:

- what gravity is and its impact on our lives.
- to identify and know the effect of air resistance.
- to identify and know the effect of water resistance.
- to identify and know the effect of friction.
- to explain how levers, pulleys and gears allow a smaller force to have a greater effect.

