

Year 3 Science Knowledge Organiser - Forces

Key Information

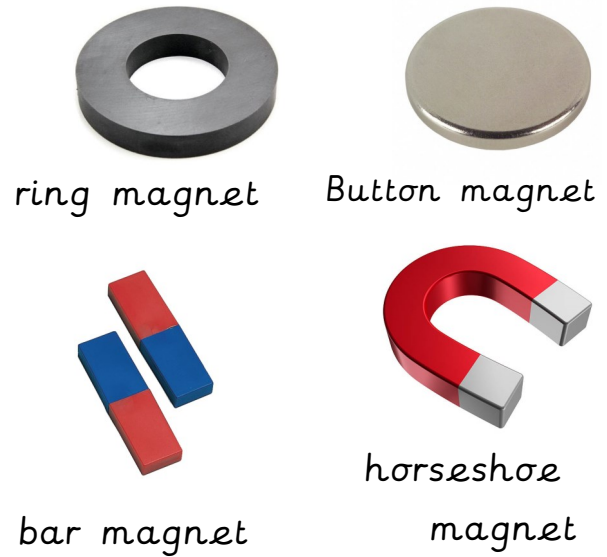
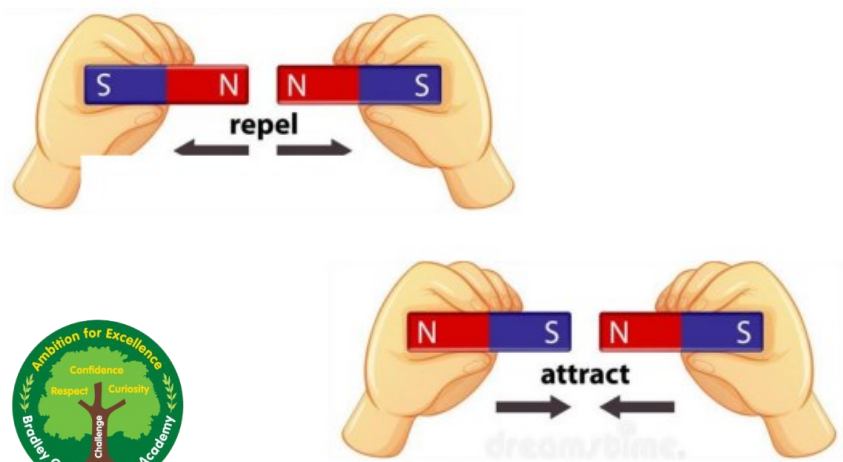
Magnets have a north pole and a south pole.
Opposite poles attract.
The same poles repel.
Plastic, rubber and wood are not magnetic.
Not all metals are magnetic.
Iron, nickel and steel are magnetic.
Copper, aluminium, lead and brass are not magnetic.
Gravity and magnetism are non-contact forces.

Misconceptions

Some people think that that objects have to make contact to cause a force but magnetic force can act at a distance.
Some people think that all metals are magnetic but they are not.

Vocabulary

forces	Change the speed, direction or shape of an object.
friction	A contact force which acts when objects move against each other,
magnet	An object that creates a magnetic field that pulls other magnetic objects towards it.
repel	pushes objects away.
attract	pulls objects together.



ring magnet

Button magnet

bar magnet

horseshoe magnet