

Forces and magnets



Key skills

Predict - say what you think will happen in an investigation.

Identify - to figure out or show what something is.

Compare - to note or describe the similarities or differences of at least two things.

Observe - to notice or see.

Links

Year 1 - Materials - comparing materials based on their properties.

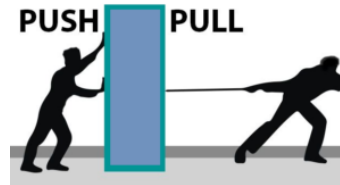
Year 2 - Materials - sort materials and classify them.

Investigate the properties of materials.



Knowledge

Force - a form of energy that acts on objects. Forces are just pushes and pulls in a particular direction.



Magnetic forces - When two magnets are close, they create pushing or pulling forces on one another.

Magnetic materials - are always made of metal, but not all metals are magnetic.

Magnetic metals -

Iron



Nickel



Steel



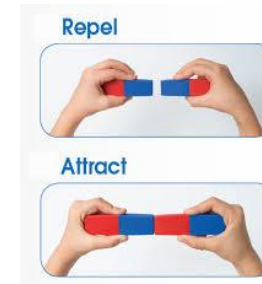
Cobalt



Vocabulary

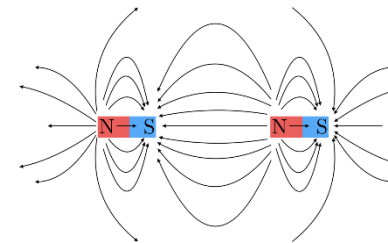
Attract - When a magnet pulls something towards it.

Repel - When a magnet pushes something away from it.



Pole - either side of a magnet that is attracted to different sides of the Earth.

Magnetic field - the area around a magnet where the magnetic force is acting.



Magnetic - something that magnets are able to attract.