



Year 3 - Forces and Magnets

Physics

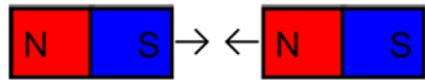
Key vocabulary

attract	To pull towards.
compass	A device for finding directions by means of a magnetic needle pointing to the magnetic north.
contact force	Forces that act when two or more objects touch each other, e.g. friction.
force	A push or a pull.
friction	The force that acts when two objects touch each other. It is a contact force.
magnetic field	The area around a magnet in which there is a magnetic force.
magnetic	The pushing and pulling force that acts between two magnets or between a magnet and a magnetic material.
non-contact force	Forces that do not need contact. They can act at a distance, e.g. magnetic force.
pole	The end of a magnet where the magnetic field is the strongest.
repel	To push backwards.

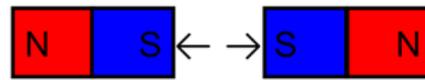
Magnetic Materials

Iron	Nickel	Steel	Stainless Steel

Magnets

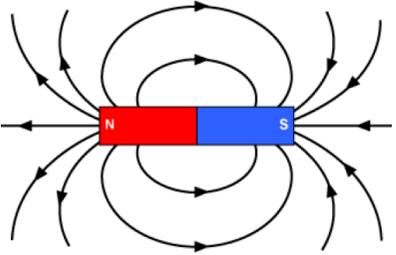


Opposite poles **attract**



Same poles **repel**

Magnetic Field

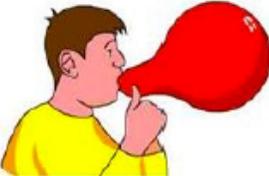


Compass



Forces can make things...

Change shape...



Change speed..



Change direction..



Friction

It's easier to push something along a smooth surface rather than a rough surface.



