

Forces and Magnets

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Cabulary

Science

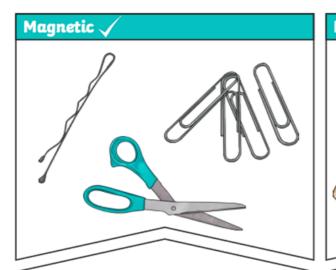
Year 3

Forces and Magnets

Pre existing knowledge

- The shape of some materials can be Changed when they are stretched, twisted, bent and squashed.
- Know what a force is and be able to explain that a push and pull are types of forces.
- Know that when forces are applied to an object, they allow them to move or stop moving.

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.



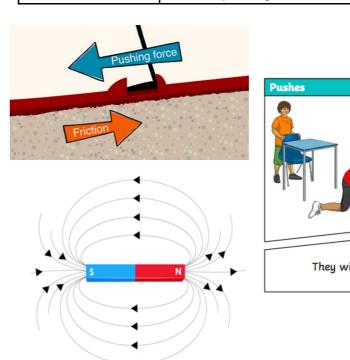
These objects contain iron, nickel or cobalt. Not all metals are magnetic.



These objects do not contain iron, nickel or cobalt.

Forces act in opposite directions to each other. Friction is a force that holds back the motion of an object. Gravity is a force that keeps items on the ground.

Key vocabulary	
Forces	Pushes or pulls.
FriCtion	A force that acts between two su trying to move, across each other
Surface	The top layer of something.
Magnet	An object which produces a mag towards it.
MagnetiC	Objects which are attracted to a iron, nickel or cobalt metals are n
Magnetic field	The area around a magnet where magnetic objects towards the ma
Poles	North and south poles are found
Repel	Repulsion is a force that pushes of pole is placed near the north pole (push away from each other).
AttraCt	Attraction is a force that pulls of north pole is placed near the sour attract (pull together).





surfaces or objects that are moving, or er.

gnetic force that pulls certain objects

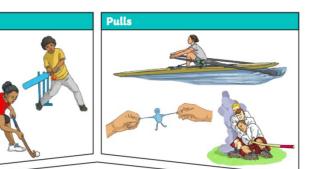
a magnet are magnetic. Objects containing magnetic.

e there is a magnetic force which will pull agnet.

at different ends of a magnet.

objects away. For example, when a north e of another magnet, the two poles repel

objects together. For example, when a Ith pole of another magnet, the two poles



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.