

Science Knowledge Organiser

Mighty Metals



I already know:

- That a force is a push or a pull that acts upon an object.
- That we push and pull objects to do many different things.
- that friction is the force that acts upon an object that can cause it to move, change shape or change direction.

Key Vocabulary:

magnet	a piece of iron that attracts and repels
magnetic pole	each end of the magnet where a force is strongest
magnetic force	when a magnet pulls objects towards it or pushes objects away
attract	to pull towards
repel	to push away

I will learn:

- that magnetism is a type of force.
- that not all metals are magnetic.
- that the same poles on a magnet repel and that opposite poles attract.
- that magnets have 2 poles.
- that some forces need contact between 2 objects but that magnetic forces can work at a distance.

	Like poles repel. Opposite poles attract.	
A magnetic field is invisible. You can see the magnetic field here though. This is what happens when iron filings are placed on top of a piece of paper with a magnet underneath.		The needle in a compass is a magnet. A compass always points north-south on Earth.