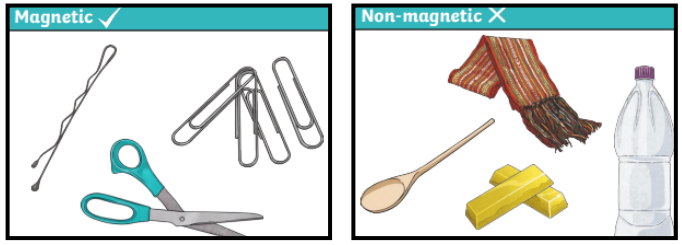
Settle Down
Why are magnets useful?

1. Are you magnetic?

Magnetic objects contain iron, nickel or cobalt. No all metals are magnetic.



3. How do objects move on different surfaces?

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.

Significant Person

Helen Greiner - Drone creator
Designed the drone which uses magnets and forces to fly and share information.

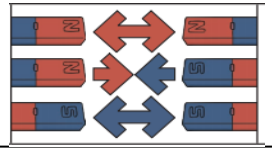
4. How powerful is this magnet?

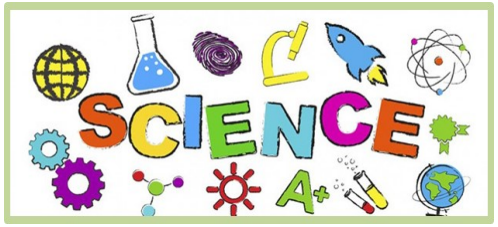
The size of the magnet can effect the strength of a mag-net.

The shape of a magnet can effect the strength of a mag-net.

5. Why is my magnet split into 2 colours?

Magnets have two **poles**. The north pole of a magnet will always attract to the south pole of another magnet.





Key Vocabulary

Force	how an item can be pushed or pulled.
Magnetic Force	Invisible field around the magnet that attracts magnetic material
Magnet	pulls items that contain iron, nickel or cobalt towards it.
Attract	a force that pulls items towards each other.
Repel	a force that pushes items away from each other
Metal	a material that can attract magnets
North Pole	part of the magnet that is attracted to the south pole.
South Pole	part of the magnet that is attracted to the north pole

Applying Past Knowledge

This learning links to your previous work in Y2 on materials.