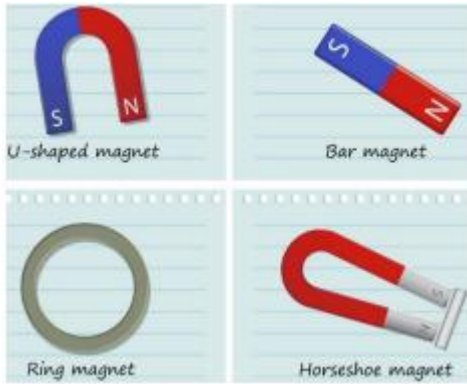




GILES BROOK SCHOOL

Different Types of Magnets



Key people

Isaac Newton - Mathematician
William Gilbert - Physicist



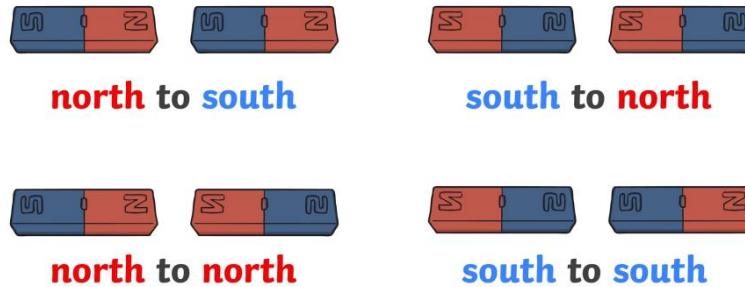
Knowledge Organiser

Science: Forces and Magnets

I already know:

- Metal is a type of material
- Materials have properties such as being magnetic or non-magnetic
- We use different materials for different purposes depending on their properties

Magnetism - same poles together will repel (e.g. north to north), different poles together will attract (e.g. south to north).



Friction - Different surfaces create different amounts of friction. Friction is always working against an object to slow it down.

The rougher the surface, the more friction there is.

The smoother the surface, the less friction there is.



Key Vocabulary

Forces	Pushes and pulls
Push	A push is a force that moves an object away
Pull	A pull is a force that brings an object closer
Magnet	An object that produces a magnetic force that pulls certain objects towards it
Magnetic	Objects which are attracted to a magnet are magnetic
Attract	Attraction is a force that pulls objects together
Repel	Repulsion is a force that pushes object away.
Poles	North and south poles are found at opposite ends of a magnet.
Surface	The top layer of something
Friction	A force that acts between 2 surfaces or objects that are moving across each other

Useful web links

- <https://www.bbc.co.uk/bitesize/topics/zvr3nrd>
- <https://www.bbc.co.uk/bitesize/topics/znmmn39>
- <https://kids.britannica.com/kids/article/Magnet-and-Magnetism/353411>