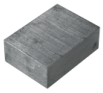
Year 3- Magnets (Physics)

Factual Knowledge



- A magnetic force is a non-contact force.
- Magnets have two poles – a north and south pole.
- Magnets can have different shapes, such as a bar magnet or a horseshoe magnet.
- A magnetic force is a non-contact force.
- Some materials are magnetic and some are not.
- Plastic is not a magnetic material.
- Wood is not a magnetic material.
- Paper is not a magnetic material.
- Some metals are magnetic materials
- Magnets are objects that can attract some other metals.
- Some metals are magnetic.
- Some metals are not magnetic.
- Magnetic metals include iron and steel.
- Non-magnetic metals include aluminium.
- Magnets are objects that can attract some other metals.
- All magnets have two poles – a north pole and a south pole.
- The opposite poles on two magnets will attract each other.

Important vocabulary I will know

Magnet		an object that can pull a magnetic material
Magnetic		describes a material which can be pulled by a magnet
Poles		the two ends of a magnet, known as the north pole (N) and south pole (S)
Iron		a metal that is magnetic
Magnetic force		a non-contact force caused by a magnet
Metal		a material that is usually hard and shiny
Non-metal		a material that is not metal
Attract		a magnetic force that pulls
Repel		a magnetic force that pushes two magnets apart
Steel		a metal that is magnetic
Aluminium		a metal that is not magnetic

Scientific Enquiry- Pattern Seeking

Enquiry question:

Are all metals magnetic?

Working Scientifically

- Make observations
- Plan
- Gather, record and classify data
- Present findings

