

Mighty Metals

Forces

- A force is a push and pull.
- It is not seen.
- When force is applied to an object, it changes the objects direction, speed and shape.
- Some forces can be measured in newton's (N) using a force meter.



Friction

- Friction is a force between two surfaces moving across each other.
- It acts in opposite directions to movement.
- Smooth surfaces have less friction than rough surfaces.



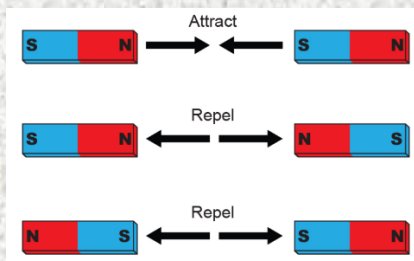
Air resistance

- Air resistance is a type of friction between air and another material.
- Parachutes use air resistance in a useful way.
- It travels in the opposite direction to gravity.



Magnetism

- A magnet is a material or object that produces an invisible magnetic field.
- Magnets attract or repel other magnets.
- End of a magnet is where the force is strong - called north or south poles.
- Two poles of the same type push each other away which is called magnetic repulsion.



Metals

- A metal is a solid material found in rocks.
- They can be melted and shaped into different forms.
- Some metals are magnetic.

Aluminium - One of the most common metals. It is used for many things including kitchen foil, cans and parts of aircraft.

Copper - It is an excellent conductor of heat and electricity. It used for wiring and cooking pans.

Gold - It is a very rare metal. It is used for jewellery and coins.

Iron - It is a common metal. It is magnetic and can be mixed with carbon to make steel.

Key Vocabulary

Air Resistance

Attract

Force meter

Friction

Gravity

Mass

Newton

Pivot

Push

Pull