

Year 5 Science Knowledge Organiser - Forces

Key Information

Everything is pulled to the Earth by gravity.

Pulleys, levers and gears are all mechanisms, also known as simple machines.

Isaac Newton was the scientist who discovered gravity.

Astronauts float around in space because there is no gravity in space.



Vocabulary

forces	are pushes or pulls which cause an object to move, stop, speed up, slow down or change direction.
gravity	a force by which a planet draws objects towards its centre.
air resistance	a type of force caused by air used to slow things down.
water resistance	a type of force that slows things down in water.
streamlined	an object that is shaped to travel through air or water with as little resistance as possible.
friction	a force that acts between two objects that are in contact with one another. It slows or stops movement between the two surfaces that are touching.
mechanisms	they cause a small force to turn into a greater force.
levers	a simple machine which helps us to move objects.
pulleys	is a wheel and a rope or cable used to move objects.
gears	wheels with teeth that slot together

