

Knowledge Organiser

Year 5
Forces

VOCABULARY

Forces- changes the motion of an object. Pushes and pulls in a particular direction.

Gravity- a force which pulls things towards the centre of the Earth. Discovered by Sir Isaac Newton.

Earth's gravitational pull- pull that Earth exerts on an object pulling it towards the Earth's centre.

Weight- The measure of the force of gravity on an object.

Mass- a measure of how much matter (stuff) is inside an object.

Air resistance- resistance or drag, acts against gravity on falling objects.

Water resistance- type of force that uses friction to slow things down that are moving through water.

Resistance- a force between surfaces that are touching.

Sir Isaac
Newton
1643-1727

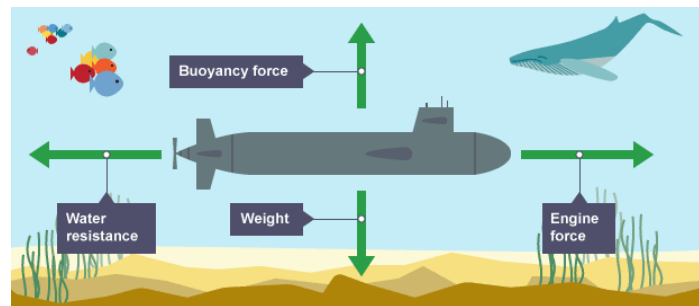


An English mathematician, physicist, astronomer and author who is famous for his laws of motion, theory of colour and the discovery of gravity. Gravity is measured in Newtons (N)

Galileo
Galilei
1564-1642

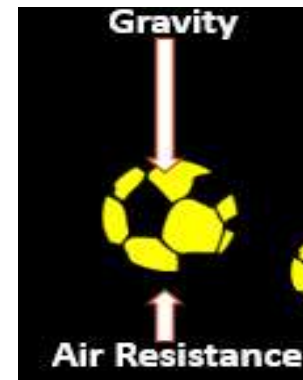


Studied speed and velocity, gravity and free fall. He invented thermoscope and military compasses. He measured time using pendulums.



Water resistance.

This submarine is streamlined, it has a pointed front to cut through the water and a smooth body to allow the water to flow over it.



Types of forces.

