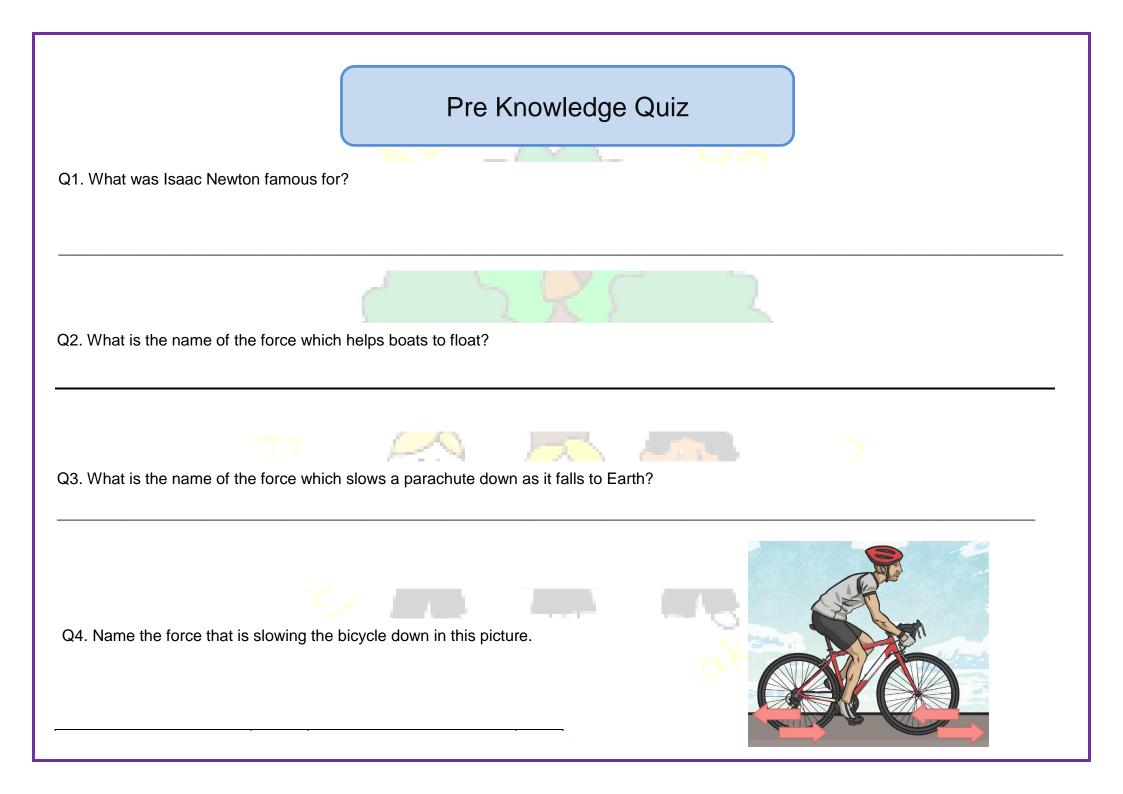
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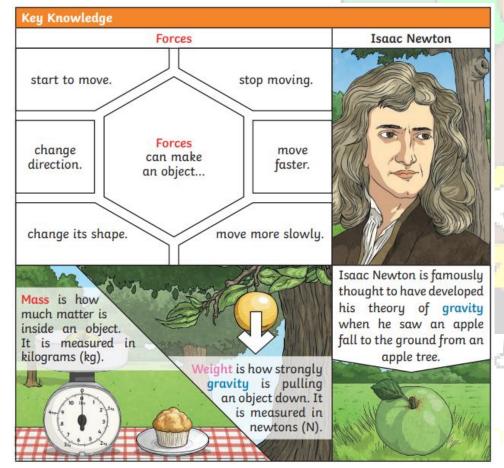




Forces Knowledge Organiser

What should I already know?

- Pushes and pulls are forces, and magnets use these forces.
- How things move on different surfaces

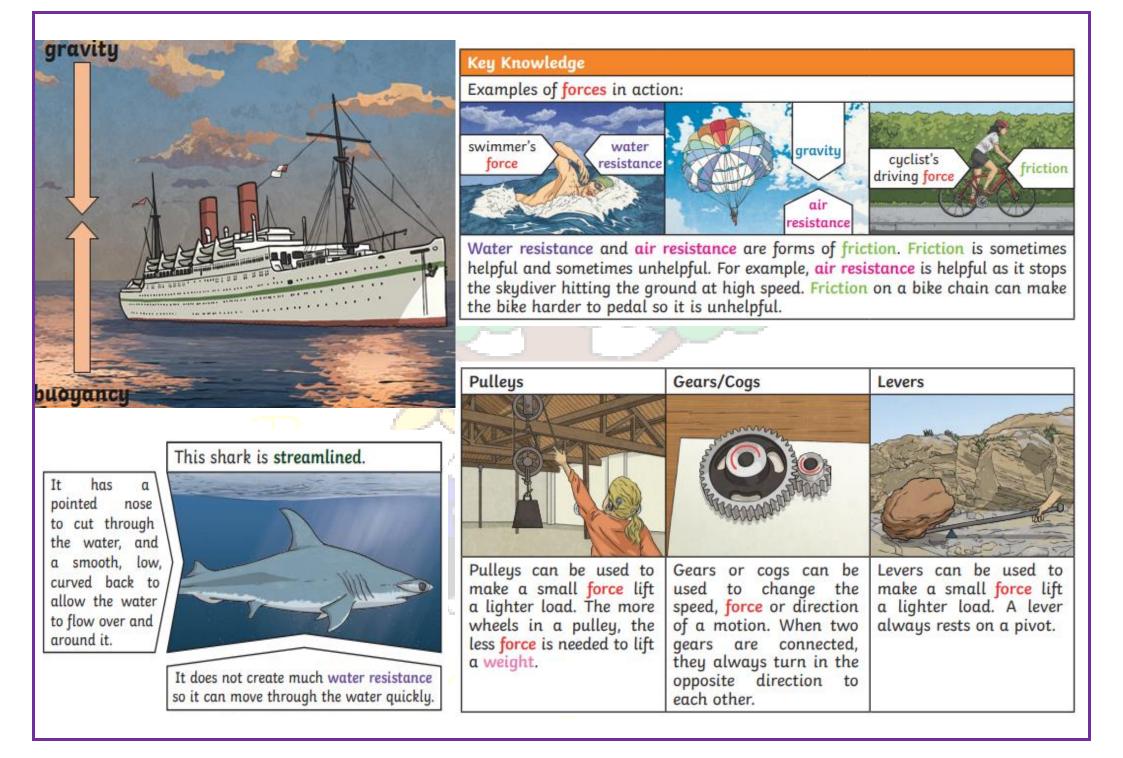


Key Vocabulary	
forces	Pushes or pulls
gravity	A pulling force exerted by the Earth (or anything else which has mass)
Earth's gravitational pull	The pull that Earth exerts on an object, pulling it towards Earth's centre. It is the Earth's gravitational pull which keeps us on the ground
weight	The measure of the force of gravity on an object
mass	The measure of how much matter (or 'stuff') is inside an object
air resistance	A type of friction between the air and another material
water resistance	A force that tries to slow things down that are moving through water.
friction	The resistance of motion when one object rubs against another
buoyancy	The ability of objects to float in water or air
momentum	The measurement of an object of mass in motion (speed)
streamlined	When an object is shaped to minimise the effects of air and water resistance
mechanism	Parts which work together in a machine e.g. gears, pulleys, levers

The Moon has a smaller mass than Earth so the gravitational pull on the Moon is smaller than it is on Earth.



Jupiter has a greater mass than Earth so the gravitational pull on Jupiter is stronger than on Earth.



My Knowledge Builder

