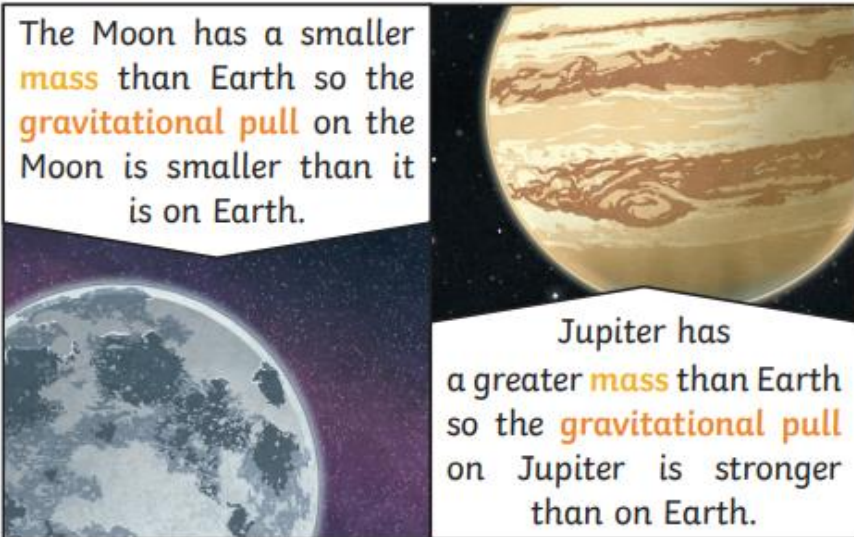


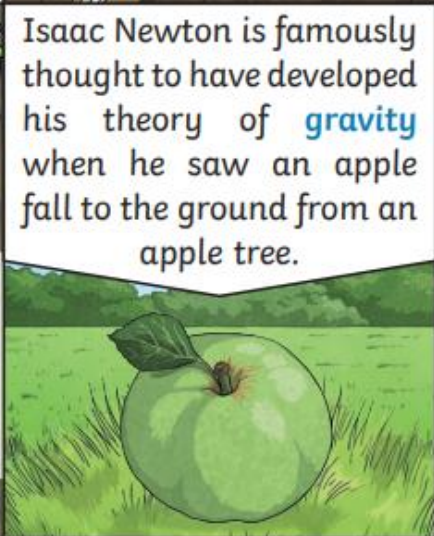
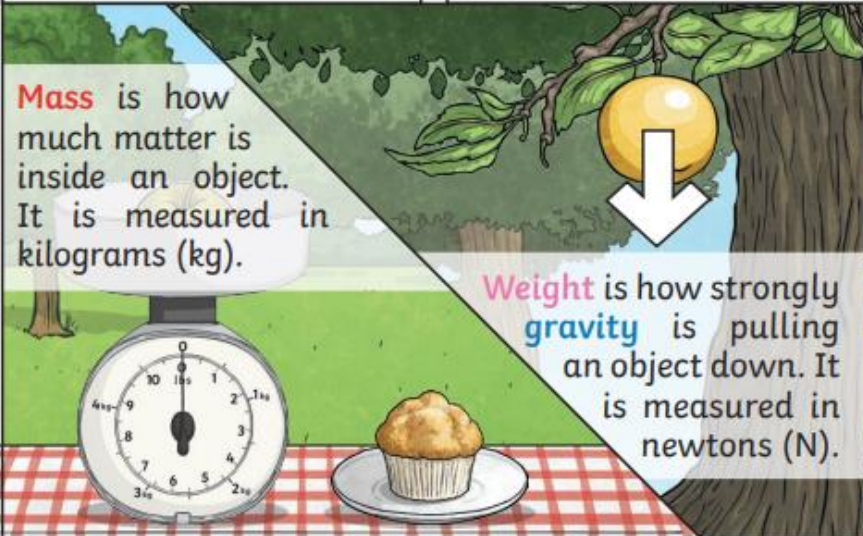
Science Knowledge Organiser - Forces - Spring 1

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	A measure of how much matter (or 'stuff') is inside an object.

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.

Key Knowledge		Isaac Newton
Forces start to move. stop moving. change direction. move faster. change its shape. move more slowly. Forces can make an object...		 Isaac Newton is famously thought to have developed his theory of gravity when he saw an apple fall to the ground from an apple tree. 
Mass is how much matter is inside an object. It is measured in kilograms (kg).  Weight is how strongly gravity is pulling an object down. It is measured in newtons (N).		