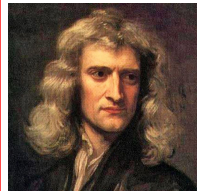


## Science

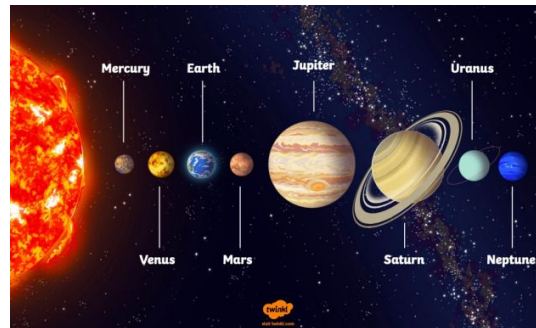
### Key Vocabulary

astronaut	A person who is trained to travel into space.
gravity	The force by which an object with a large mass, pulls objects towards the centre.
moon	Natural satellites which orbit a planet. The Earth has one moon.
orbit	A curved, invisible path that a planet takes around a star such as the Sun.
planet	A spherical mass of solids and gases which spin and orbit the Sun.
satellite	A man-made machine that orbits a body in space and sends signals to and from Earth.
Sir Isaac Newton	An English scientist, mathematician and astronomer whose discoveries changed the way we think about the Universe.
solar system	A system of planets and other objects that orbit a sun.
telescope	A device designed to magnify objects that are in the distance.



### Sir Isaac Newton

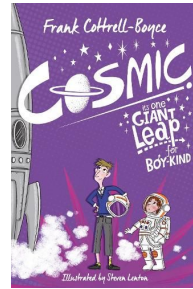
Isaac Newton formed his theory of gravity when he watched an apple fall from a tree. A newton (N) is a unit of measurement that is used to measure the pull of gravity.



### The Solar System

The Solar System is made up of a collection of planets, their moons and smaller objects such as dwarf planets, asteroids, meteoroids and comets that orbit the Sun. There are eight planets in the Solar System: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

The four planets closest to the Sun are called terrestrial planets and are made up almost entirely of rock, These are Mercury, Venus, Earth and Mars. The four planets furthest away from the Sun are called Jovian planets and are mostly made up of gases, such as a hydrogen and helium. These are Jupiter, Saturn, Uranus and Neptune.

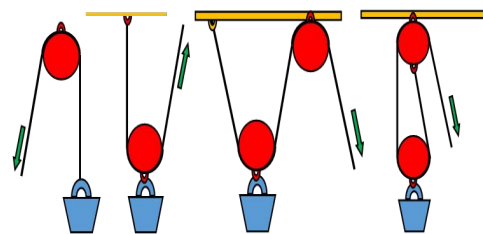


**Pulley** - a grooved wheel over which a drive belt can run.

**Gear** - a wheel with teeth around its circumference.

### DT

### Types of Pulleys



Fixed

Moveable

Compound

Block & Tackle



Design, make and evaluate a marionette.