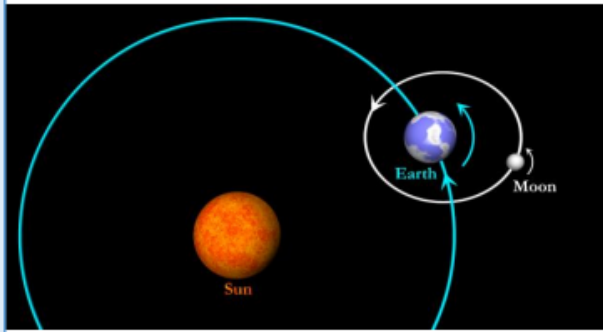


Knowledge Organiser Year 5 Science: Earth and Space Concept: Forces

Key Vocabulary

Sun	A huge star that Earth and the other planets in our solar system orbit around.
Star	A giant ball of gas held together by its own gravity.
Moon	A natural satellite which orbits Earth or other planets.
planet	There are 8 planets in our solar system which orbit the sun.
sphere	A round 3d shape in the shape of a ball
spherical bodies	Astronomical objects like spheres
orbit	To move in a regular, repeating curved path around another object
axis	Earth's axis runs from the North Pole to the South Pole
rotate	To spin e.g. Earth rotates on its own axis

Earth rotates on its axis and does a full rotation once every 24 hours. At the same time that Earth is rotating, it is also orbiting around the sun. It takes a little more than 365 days to orbit the sun. Daytime occurs when the side of Earth is facing towards the sun. Night occurs when the side of Earth is facing away from the Sun.



The moon orbits earth in an oval shaped path while spinning on its axis. At various times in a month, the moon appears to be different shapes known as the phases of the moon. This is because as the moon rotates round Earth, the lights up different parts of it.

Mercury, Venus, Earth, Mars are rocky planets. They are mostly made of metal and rock. Jupiter, Saturn, Uranus, Neptune are mostly made up of gases (helium and hydrogen) although they do have cores made up of rock and metal.

The sun moves across the sky during the day but the Sun does not move at all. It seems to us that Sun moves because of the movements of Earth.

