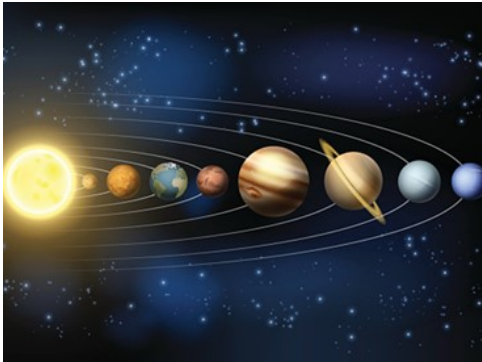


Knowledge Organiser Science Year 5 Earth and Space

The Solar System



The Sun is a star at the centre of our solar system.

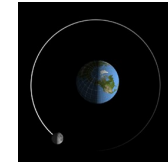
There are 8 planets in our solar system: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

These all orbit the Sun.

Key Vocabulary

Earth	The planet we live on. It is the third planet from the Sun.
Sun	The Sun is the star at the centre of our solar system.
Moon	The moon is the only natural satellite of the Earth.
planets	Large round objects, made of rock or gas, that move around the sun.
solar system	The sun and all the planets that orbit around it.
star	A huge ball of glowing gas in space.
rotate	When an object rotates it turns (spins) on its axis.
orbit	The curved path that an object follows going around a star or a planet.
Celestial body	A natural object that exists outside the Earth's atmosphere, eg stars, planets, asteroids, comets, and meteoroids.

Phases of the moon

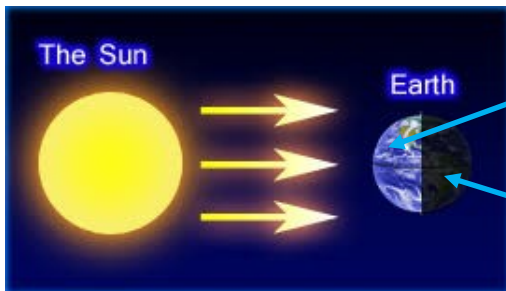


The moon orbits the Earth. It takes about 28 days to complete its orbit.



The phases of the moon are caused by its orbit around the Earth. As the moon orbits the Earth, we can see a different amount of the moon is lit by the sun from Earth.

Day and Night



It is day for the half of the Earth facing the Sun

It is night for the half of the Earth facing the Sun

A year on Earth

The Earth orbits the Sun.
It takes 365¼ days to complete its orbit around the Sun. This is a year.

