

Science (Y5) – Earth and Beyond Space

Prior Knowledge

- Know changes that happen across the four seasons
- Know how day length varies across different seasons

Diversity

Prejudice

Common Good

Belonging



Key Knowledge



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

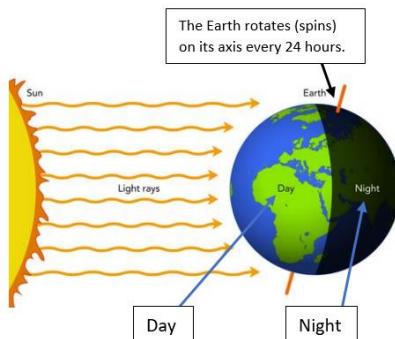
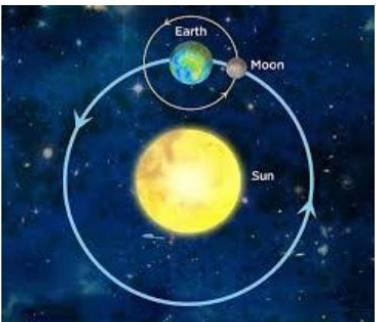
There are 8 planets in our solar system: **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.**

These all **orbit** (travel) around the sun.

- As Earth rotates half faces the Sun (day) and half is facing away from the Sun (night)
- As the Earth rotates the Sun **appears** to move across the sky
- The Moon orbits the Earth
- It takes about 28 days to complete its orbit
- The Sun, Earth and Moon are approximately spherical

The Earth orbits the Sun.

It takes $365\frac{1}{4}$ days to complete its orbit around the Sun. This is a year.



What is our Solar System made up of?

Key Vocabulary

Earth	The planet we live on. It is the third planet from the Sun.
Sun	The Sun is a star at the centre of our solar system. It is not safe to look directly at the Sun, even when wearing protective glasses.
Moon	The Moon is the only natural satellite of the Earth.
planet	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
Names of planets:	Mercury, Venus, Earth, Jupiter, Saturn, Uranus and Neptune