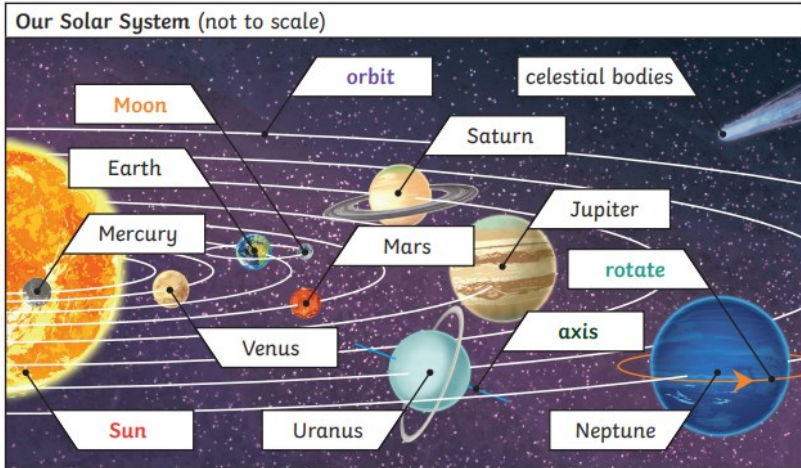


Earth and Space

I can describe the movement of the Earth, and other planets, relative to the sun

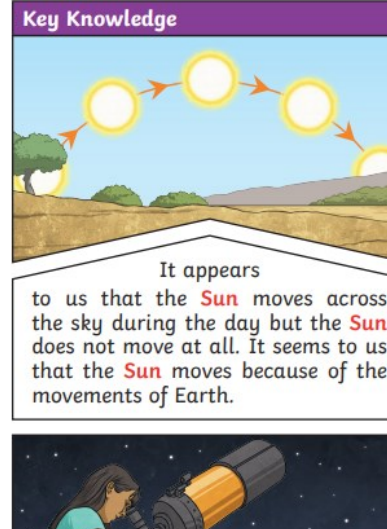


The sun is a star and is the largest structure in our solar system. The sun does not move: all of the planets in our solar system orbit (go round) the sun. The closer the planet to the sun, the shorter and faster its orbit. Earth takes one year (365 days) to orbit the sun.

Pluto used to be considered a planet but was reclassified as a dwarf planet in 2006.

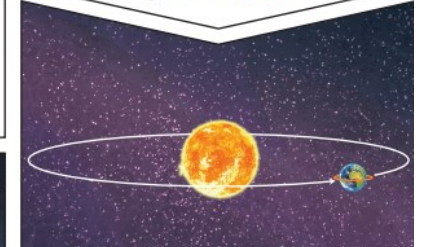


I can explain day and night on earth, and the apparent movement of the Sun



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

Earth **rotates** (spins) on its **axis**. It does a full **rotation** once in every 24 hours. At the same time that Earth is **rotating**, it is also **orbiting** (revolving) 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**.



Key Vocabulary	Definition
Sunrise	The time in the morning when the sun seems to appear
Sunset	The time in the evening when the sun appears to disappear
Dusk	The darker stage of twilight
Reflect	When a surface throws back light, sound or heat without absorbing it
Rotation	The action of turning about an axis or centre
Earth's axis	An imaginary line around which an object rotates
Solar System	the collection of eight planets and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, meteoroids, and comets.
Moon	the natural satellite of a planet, visible (chiefly at night) by re-
Dim	A light which is not shining brightly