

Year 5 Science : Earth and Space

Prior Learning

- I can explore the natural world around them, making observations and drawing pictures what I see.
- I understand some important processes and changes in the natural world around me.

Sticky Knowledge

- I can describe how the planets, including Earth, move in our Solar System relative to the sun.
- I can describe the movement of the moon relative to the Earth.
- I know that the Sun, Earth and Moon are approximately spherical bodies.
- I can explain day and night and how the sun appears to move across the sky because I know about how the Earth rotates on its axis.

Vocabulary

Asteroid	A small rocky body orbiting the sun.
Axis	An imaginary line about which a body rotates.
Celestial	Something that is positioned in the sky or outer space. Also can be used to describe an object in space, e.g. a celestial body.
Day	A twenty-four hour period, from one midnight to the next. One day on Earth is one rotation of the earth on its axis.
Dwarf Planet	A celestial body resembling a small planet but lacking certain technical criteria to be classed as a planet e.g. Pluto.
Geocentric	Where people believed the earth was at the centre of the solar system.
Heliocentric	Representing the sun as the centre of the solar system, the modern view of the solar system.
Moon	A natural satellite of any planet.
Night	The period from sunset to sunrise in each twenty-four hours.
Orbit	The regularly repeated oval course of a celestial object around a star or planet.
Planet	A celestial body moving in orbit round a star.
Rotation	The action of rotating about an axis or centre.
Solar System	The collection of eight planets and their moons in orbit round the sun.
Star	A fixed luminous point in the night sky which is a large, remote body like the sun.
Sun	The star round which planets orbit.

