

What should I already know?

- Asking relevant questions and using different types of scientific enquiry to answer them.
- Identifying similarities and differences or changes related to scientific ideas.
- Observe and describe seasons and how the length of the day varies.

Scientific Skills:

- Use previous knowledge and experience combined with experimental evidence to provide scientific explanations
- Use appropriate scientific language and conventions to communicate quantitative and qualitative data
- Select a range of appropriate sources of information including books, internet

Key Vocabulary and Definitions:

Axis	An imaginary line about which a body (e.g. a planet) rotates.
Gravity	The force that attracts a body towards the centre of the Earth, or towards any other physical body having mass.
Orbit	The curved path of an object (in space) or spacecraft around a star, planet or moon.
Rotate	To move in a circle around a centre.
Satellite	A man-made body placed in orbit around the Earth, moon or other planet to collect information or for communication.
Solar system	A collection of planets (8) and their moons in orbit around a sun.
Spherical	A 3D circle (like a football).
Sunrise	The time in the morning when the sun 'appears' in the sky.
Sunset	The time in the evening when the sun 'disappears' from the sky.
Waxing Crescent	Less than one half of the moon can be seen.
Waxing Gibbon	Just less than the full circle of the Full Moon can be seen.

Teaching Sequence

1. To name and describe features of the planets in our solar system.
2. To explain how the planets move in our solar system.
3. To discuss how we know the sun, earth and moon are spherical.
4. To explain day and night and the apparent movement of the sun across the sky.
5. To explain the movement of the moon
6. To explain why we experience different hours of daylight during the different seasons.

