

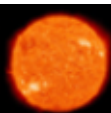
What should I already know?

- Explore the natural world around them. (Reception – Earth and space)
- Describe what they see, hear and feel whilst outside. (Reception – Earth and space)
- Observe changes across the four seasons. (Y1 - Seasonal changes)
- Observe and describe weather associated with the seasons and how day length varies. (Y1 - Seasonal changes)

Scientific Skills:

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describe the movement of the Moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky
- Report and present findings from enquiries using appropriate scientific language

Key Vocabulary and Definitions:

Celestial		Relating to the sky or outer space.
Earth		The planet on which we live.
Moon		A planetary object which orbits the Earth's gravitational field.
Orbit		The curved path of a celestial object or spacecraft around a star, planet, or moon.
Planets		A celestial body moving in orbit around a star.
Rotate		To move in a circle around an axis or centre.
Solar System		The collection of 8 planets and their moons in orbit around the sun.
Spherical		A three-dimensional circle, relating to the properties of spheres.
Sun		The star around which the Earth orbits.
Star		A large ball of burning gas in space that is usually seen from Earth as a point of light in the sky.

Teaching Sequence

1. To explore the solar system
2. To describe the planets in the solar system
3. To explore how ideas about the Solar System have changed over time.
4. To explain how the rotation of Earth night and day
5. To describe the movement of the Moon relative to the Earth.

Scientific Skills:

Term 2	Let's Talk (Explorify)	Scientific Knowledge	Scientific skill
Lesson 1	Goldilocks planets - Explorify	<ul style="list-style-type: none"> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the Sun, Earth and Moon as approximately spherical bodies. 	<ul style="list-style-type: none"> Identifying scientific evidence that has been used to support or refute ideas or arguments
Lesson 2	The Sun rotated and the Earth didn't? - Explorify	<ul style="list-style-type: none"> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the Sun, Earth and Moon as approximately spherical bodies. 	<ul style="list-style-type: none"> Identifying scientific evidence that has been used to support or refute ideas or arguments
Lesson 3	To the Moon and beyond - Explorify	<ul style="list-style-type: none"> Describe the Sun, Earth and Moon as approximately spherical bodies. 	<ul style="list-style-type: none"> Identifying scientific evidence that has been used to support or refute ideas or arguments Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas and should talk about how scientific ideas have developed over time (non-statutory).
Lesson 4	Earth - Explorify	<ul style="list-style-type: none"> Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky 	<ul style="list-style-type: none"> Identifying scientific evidence that has been used to support or refute ideas or arguments
Lesson 5	There was no Moon? - Explorify	<ul style="list-style-type: none"> Describe the movement of the Moon relative to the Earth. 	<ul style="list-style-type: none"> Identifying scientific evidence that has been used to support or refute ideas or arguments Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations