

Year 5 – Term 2

How can somewhere you have never been, be so important?

SCIENCE



National Curriculum Links:

Earth and Space

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.

Essential Prior Learning:

The differences between night and day: the sun gives us light during the day and its absence makes it dark at night.

Gravity keeps us on Earth and helps keep the planets in place.

The sun, moon and stars exist.

We live on a planet called Earth and there are other planets.

Earth is round.

Progression in Skill:

Identify scientific evidence that has been used to support or refute ideas or arguments.

Long-term Memory Knowledge:

In order from the sun, the planets are: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.

Pluto was once considered a planet but has been downgraded by scientists.

The Earth rotates around the sun.

The moon rotates around the Earth; other moons rotate around other planets.

The earth rotating on its axis causes night and day.

The sun, moon and Earth are approximately spherical.

Key Vocabulary

rotation	when something turns or spins around a point located at its centre
axis	the centre around which something rotates
spherical	an object shaped like a ball
solar system	a part of space that consists of the sun and everything that orbits or travels around the sun
Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune	the eight planets that orbit the sun; the planets in our solar system

Progression in Resources:

Planet models

Reference texts

Relevance

Now	Children know there are planets other than ours and begin to understand the relationship between them; they see that our wider environment extends beyond our planet.
Future	Children understand why some people are keen to explore other planets and the importance of learning more about them; they understand that our actions on Earth can impact a wider environment than just our planet.
Aspiration	Children are interested to learn more about space and the planets, possibly considering a career that is related; they may become involved in the quest to find life on other planets or whether life could be sustainable anywhere other than Earth.