



Every Child a



What is Science?

Science is a thrilling adventure where curious explorers ask questions and find answers about the world. Scientists use tools, conduct experiments and make discoveries to understand how things work.

What qualities does a Scientist have?

Respectful, curious, investigative, resilient, imaginative

What do I already know?

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)

What equipment will help me?

- Torches
- Information texts
- Models
- Ipads

Wider thinking Diversity/inspirational people and jobs.

- Neil Armstrong, Buzz Aldrin and Michael Collins
- Valentina Tereshkova
- Katherine Johnson

Tier 3 Vocabulary

- heliocentric
- geocentric
- solar system
- astronomy
- terrestrial planet
- gas giants
- axis
- orbit
- moon
- phase
- waxing
- waning
- spherical,
- rotates,
- star,
- orbit

Key Question? (Assessment question)

Will humans ever live on another planet?

Investigative skills	As a scientist, I can.....	Enquiry question and knowledge
Explore the solar system and its planets.	Order and identify the planets in the solar system.	What is the order of the planets in the solar system?
Understand the heliocentric model of the solar system.	Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.	How do the planets move around the sun?
Explain Earth's movement in space.	Describe the movement of the Moon relative to the Earth.	Why do we have more sunlight in the summer?
Explain the Earth's rotation and night and day.	Describe the Sun, Earth and Moon as approximately spherical bodies.	How does the Earth and Moon move relative to the Sun?
Explain the movement of the Moon.	Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.	Why does the moon look different every day?