

## UKS2 Physics – Earth and Space

**Key question – How does Earth compare with the other planets in the solar system?**

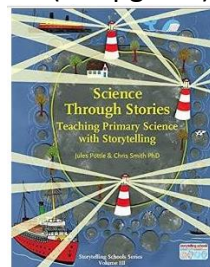
Vocabulary	Meaning
Planet	Planets are. Interactive. large natural objects that orbit, or travel around, stars. Eight planets orbit the star called the Sun.
rotate	move or cause something to move in a circle around an axis or centre.
galaxy	A system of millions or billions of stars, together with gas and dust, held together by gravitational attraction.
Solar system	The solar system consists of the Sun and everything that orbits, or travels around, the Sun. This includes the eight planets and their moons, dwarf planets, and countless asteroids, comets, and other small, icy objects.
Orbit	The curved path of a celestial object or spacecraft round a star, planet, or moon,
spherical	Shaped like a sphere.
axis	An imaginary line about which a body rotates.
Earth	The planet on which we live; the World.
International Space Station (ISS)	The International Space Station is a large spacecraft in orbit around Earth. It serves as a home where crews of astronauts and cosmonauts live. The space station is also a unique science laboratory.

Lesson 1 LO: To explain why we know the Sun, Earth and Moon are spherical.	What did people used to think about the shape of the Earth?  What do they believe now?
Lesson 2 LO: To name and describe features of the planets in our solar system.	How many planets are there in the solar system?  Can you name them in order from the closest to the sun?
Lesson 3 LO: To explain how planets move in our solar system	Can you explain some of the different theories about how the Earth moves?
Lesson 4 LO: To explain day and night and the apparent movement of the sun across the sky.	How often does the Earth spin on its axis?  Where does light come from?
Lesson 5 LO: To explain the movement of the Moon.	Can you name the phases of the moon? What are solar and lunar eclipses?

Key Scientist – Katherine Johnson



Science Concept Story – Apollo 13 (STS pg.213)



Enquiry types

