

What I should already know:

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| 1 | About some of the names of the planets. |
| 2 | About light and shadows and the Sun's apparent movement across the sky. |

What I will learn:

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| 1 | Describe the movement of the Earth and other planets relative to the Sun in the Solar System. |
| 2 | Describe the movement of the Moon relative to the Earth. |
| 3 | Describe the Sun, Earth and Moon as approximately spherical bodies. |
| 4 | Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky. |

Working scientifically skills:

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

To record findings such as using simple scientific language, labelled diagram.

Key Vocabulary:

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| 1 | geocentric | (Earth-centred) the Earth is at the centre of the Solar System |
| 2 | heliocentric | (Sun-centred) the Sun is at the centre of the Solar System. The belief that the Sun is at the centre of the Solar System is heliocentrism |
| 3 | orbit | the path of a planet or moon around another celestial object |
| 4 | planet | a celestial body that orbits a star, is round and has cleared smaller objects away from its orbit |
| 5 | solar system | a series of planets that orbit a star |
| 6 | star | an astronomical body that produces its own energy |
| 7 | Sun | the star at the centre of our Solar System |
| 8 | time zone | a geographical region where the same time is set |
| 9 | Daytime/ Night-time | the time when part of the Earth is in daylight / the time when part of the Earth is in darkness |

Scientists/Inventors:

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| Claudius Ptolemaeus (Ptolemy) (C.90-168AD) | An influential astronomer, geographer, and mathematician of the ancient world. |
| Helen Sharman (1963-) | Astronaut who was the first British citizen to go into space. |
| Tim Peake (1972-) | Astronaut who was the first British person to walk in space. |

Phases of the Earth's Moon