

Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

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

Investigate

The earth, moon and sun are spherical bodies. Indirect and direct evidence has been compiled over many years to demonstrate this.

The movement of the earth around the sun creates night and day.



The movement of the Moon relative to the Earth



The movement of the Earth, and other planets, relative to the Sun in the solar system



**Asteroid –** A small rocky body orbiting the sun

**Axis –** An imaginary line about which a body rotates

**Day –** A twenty-four hour period, from one midnight to the next, corresponding to a rotation of the earth on its axis

**Dwarf planet –** A celestial body resembling a small planet but lacking certain technical criteria to be classed as a planet e.g. Pluto

**Geocentric –** Where people believed the earth was at the centre of the solar system

**Heliocentric –** Representing the sun as the centre of the solar system, the modern view of the solar system

**Moon –** A natural satellite of any planet

**Night –** The period from sunset to sunrise in each twenty-four hours

**Orbit –** The regularly repeated oval course of a celestial object around a star or planet

**Planet –** A celestial body moving in orbit round a star

**Rotation –** The action of rotating about an axis or centre

**Solar system –** The collection of eight planets and their moons in orbit round the sun

**Star –** A fixed luminous point in the night sky, which is a large, remote body like the sun

**Sun –** The star round which planets orbit

Vocabulary

* We live on a planet called earth
* The sun provides light
* The UK has 4 seasons and length of days vary
* Basic facts about the Space Race
* Famous astronauts (Neil Armstrong, Helen Sharman, Tim Peake)

What should I already know?

Topic: Earth and Space

Year: 5

What will I know by the end of this unit of work?

Waterloo Primary School – Science Knowledge Organiser

Strand: Physics