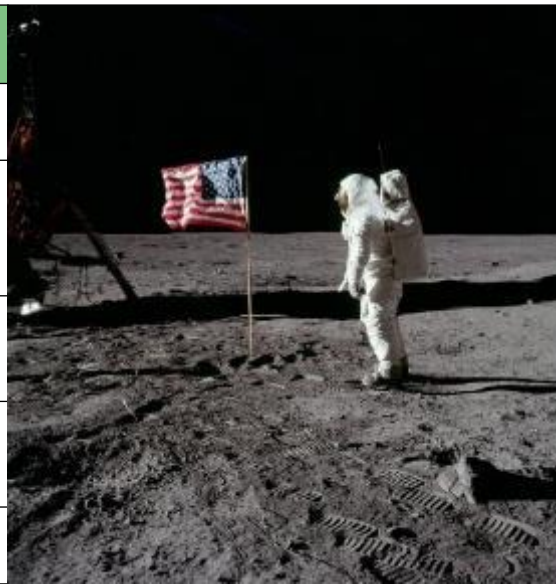


Year 5: Science – Earth and space

Subject Specific Vocabulary

orbit	An orbit is a repeating path that one celestial body takes around another.
solar system	The solar system is made of the eight planets that orbit our sun; it is also made of asteroids, moons, comets and lots more.
astronomical	Astronomy is the study of outer space, focusing on celestial bodies such as stars, comets, planets and galaxies.
planet	There are 8 planets in our solar system, they are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.
rotation	Rotation is when a shape is turned around a fixed point.
spherical	Something spherical is like a sphere in being round, or more or less round, in three dimensions.
crescent moon	It is a sliver of the moon that is lit up and can be seen. It is less than half the moon.
gibbous moon	The best way to describe a gibbous moon is that the moon is three-quarters lit up.
eclipse	An eclipse occurs when an astronomical object is temporarily obscured. A lunar eclipse is when the Earth moves between the Sun and the Moon, therefore blocking the Sun's rays from striking the Moon.
lunar	Is anything related to the moon.



Working Scientifically

- ❑ Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scattergraphs, bar and line graphs.
- ❑ Identify scientific evidence that has been used to support or refute ideas or arguments.
- ❑ 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.

Sticky Knowledge about Earth and space

- ❑ One million Earths could fit inside the sun – and the sun is considered an average-sized star.
- ❑ An asteroid about the size of a car enters Earth's atmosphere roughly once a year – but it burns up before it reaches us.
- ❑ The sunset on Mars appears blue.
- ❑ Earth is the third planet from the sun and the only world known to support an atmosphere with free oxygen, oceans of liquid water on the surface, and life.
- ❑ There is no atmosphere in space, which means that sound has no medium or way to travel to be heard.
- ❑ Venus is the hottest planet in the solar system and has an average surface temperature of around 450° C.
- ❑ The sheer size of space makes it impossible to accurately predict just how many stars exist.