

Our School Values- Science	
Love	We show love by fostering a joy of discovery.
Courage	We show courage by being brave, challenging thinking, asking questions and investigating new ideas. We show courage knowing that we won't always find the answer.
Unity	We show unity by working collaboratively to discover more.
Inspiration	We show inspiration by not giving up and thinking creatively to seek answers.



## Year 5 Science Earth and Space



NC Objective

Describe the movement of the Earth and other planets relative to the sun in the solar system.

Describe the movement of the moon relative to the Earth.

Key Vocabulary	
Word	Definition
Earth	One of 8 planets that orbit the sun (and the one we live on). It is the third planet from the sun and is the only known planet that can support life.
Sun	A star at the centre of our solar system that provides us with light and warmth. The 8 planets (and many other bodies) orbit it.
Moon	A satellite which orbits the Earth. It is a huge ball or rock with craters and mountains. It does not produce its own light.
Spherical	Something which is like a sphere in being round or almost round.
Rotates	The movement of an object in a circular motion.
Solar System	The sun and everything that travels around the sun.
Star	Huge glowing spheres of gas. Our sun is a star.
Orbit	An orbit is the path that an object takes in space when it goes around a star, a planet, or a moon.
Planets	A large object that orbits a star. Planets do not make their own light and are smaller than stars.

Knowledge I already know
No prior space learning in school
Knowledge I will learn
<p>To know that the Sun is a star. It is at the centre of our solar system .</p> <p>To know that there are 8 planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.</p> <p>To know that these planets travel around the Sun in fixed orbits. Earth takes 365 days to complete its orbit around the Sun.</p> <p>To know that the Earth rotates (spins) on its axis every 24 hours. As Earth rotates half faces the Sun (here it is day) and half is facing away from the Sun (night). As the Earth rotates the Sun appears to move across the sky.</p> <p>To know that the Moon orbits the Earth. It takes about 28 days to complete its orbit.</p> <p>To know that the Sun, Earth and Moon are approximately spherical.</p>

LI: I can describe the movement of the Earth and other planets relative to the Sun.	LI: I understand how our view of the Moon change in a lunar month.	LI: I understand the rotation of Earth results in night and day and is the reason for our seasons.	LI: I can show what I know and present my understanding of Earth and Space in front of an audience.
We will create a diagram of the solar system, name the planets and explain what is happening between the Sun and the Earth.	We will draw pictures of the moon and how it changes over the month.	We will draw line graphs to reflect the temperature across our seasons in the year.	We will create a fact file with all of our knowledge about Earth and Space.

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