

# Year 5/6: Earth and Space Knowledge Mat

## Subject Specific Vocabulary Dozen

Space	'Space' is the term given to the area of the universe outside of Earth's atmosphere
Solar system	The solar system is made of eight planets that orbit around the sun
Sun	The Sun is the name of the huge star at the centre of our Solar System that provides light and heat to the planets that orbit it.
Earth	Earth is the third planet from the Sun and the only planet known to support life.
Planet	There are eight planets in our solar system: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.
Moon	A moon is a natural satellite that orbits a planet. Earth's moon is called the Moon.
Star	A star is a giant, glowing ball of hot, burning gas (mainly helium and hydrogen) held together by gravity.
Rotation	Rotation is when a shape is turned around a point.
Spherical	A spherical object is sphere-shaped, like a ball
Orbit	An orbit is a regular, repeating curved path that an object follows round another object.
Satellite	A satellite is a natural or human-made object or body that orbits a larger object such as a planet or a star.
Axis	An imaginary line around which something spins.

## What I will know at the end of the unit

Know about and explain the movement of the Earth and other planets relative to the Sun.

Know about and explain the movement of the Moon relative to the Earth.


Describe how the Earth's rotation creates night and day and the apparent movement of the sun across the sky.

Describe the Sun, Earth and Moon (using the term spherical).

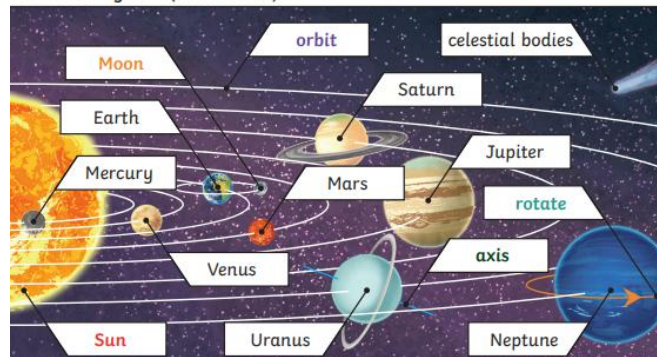
There are eight planets in our solar system: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune

**The Moon**

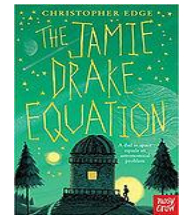
The Moon is **Earth's** natural **satellite**. It is made of rock and metal, is approximately **spherical** and is a quarter of the diameter of **Earth**.



Our Solar System (not to scale)



## Exciting Books



## Sticky Knowledge about Earth and Space?

- The Sun is a star. It is at the centre of our solar system.
- There are 8 planets (can choose to name them, but not essential). These travel around the Sun in fixed orbits.
- Earth takes 365¼ days to complete its orbit around the Sun.
- The Earth rotates (spins) on its axis every 24 hours. As Earth rotates half faces the Sun (day) and half is facing away from the Sun (night). As the Earth rotates, the Sun appears to move across the sky.
- The Moon orbits the Earth. It takes about 28 days to complete its orbit.
- The Sun, Earth and Moon are approximately spherical.