

EARTH AND SPACE



What should I already know?

- Explore the natural world around them, describe what they see, hear and feel whilst outside.
- Observe changes across the four seasons
- Observe and describe weather associated with the seasons and how the day length varies

Key Knowledge

- To know and understand the movement of the Earth, Moon and other planets in the Solar System.
- To know the approximate shape of the Sun, Earth and Moon – Spherical
- To understand the movement of planets in the Solar System
- To know how the Earth and Moon moves.
- To understand why we have day and night.
- To know the moon has different phases.

The Moon

The Moon orbits the Earth anti clockwise and takes approximately 28 days. It spins once on its axis every time it orbits Earth. This means that we only see one side of the moon. The different phases are caused by the changing positions of the Moon, Earth and Sun.



Word	Definition
Earth	The planet in which we live on
ISS	The international Space Station is a large spacecraft in orbit around Earth. It houses crews of astronauts and has it's own laboratory
Moon	A large object that orbits Earth.
Orbit	The curved path in space that is followed by an object going round and round a planet, moon or star
Planets	Large round objects that moves around a star
Rotates	Something that turns in a circular movement
Satellite	An object in space that orbits or circles around a bigger object
Solar System	A system of a Sun and the objects that move around it. Our Solar System consists of our Sun and everything bound to it by gravity- the planets like Earth, asteroids meteors and comets
Spherical	An object that is round
Star	A luminous ball of gas, mostly hydrogen and helium held together by it's own gravity
Sun	A massive star at the centre of the Solar System. It is responsible for providing the energy that sustains life on Earth.



The planets are called Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

An easy way to remember the names of planets in order is:
My Very Easy Method Just Speeds Up Naming

Time Facts

It takes 24 hours for the earth to rotate once..

It takes 365 and a quarter days for earth to orbit the sun.

Every four years we have an additional day on Feb 29th – this is called a leap year.

It takes 28 days for the moon to orbit earth.

It takes sunlight an average of 8 minutes and 20 seconds to travel from the Sun to the Earth. This is known as the speed of light.

Day and night

