



Vocabulary	Meaning
Universe	All existing matter and space (galaxies and everything in them)
Celestial body	A natural object located outside of the Earth's atmosphere e.g. The moon, the sun
Star	A fixed luminous point in the night, a large incandescent body
Sun	The star round which the earth orbits
Satellite	A celestial body orbiting the earth or another planet
Terrain	The physical features of a stretch of land
Orbit	The curved path of a celestial object around a star, planet or moon
Spherical	Shaped like a sphere (3D)
Eclipse	The absence of light from one celestial body by the passage of another between it
Constellation	A group of stars forming a recognizable pattern
Circumference	The length/distance around the outside of a circle
Astronomer	A scientist who studies topics outside the scope of Earth
Gravity	The force that attracts a body towards the centre of the Earth
Lunar	Relating to the moon
Waxing (moon)	Growing with light until a full moon is reached
Waning (moon)	Decreasing with light and illuminated on the left
Crescent	The curves shape of the waxing or waning moon

Satellite	Orbit	Astronomer	Gravity
			

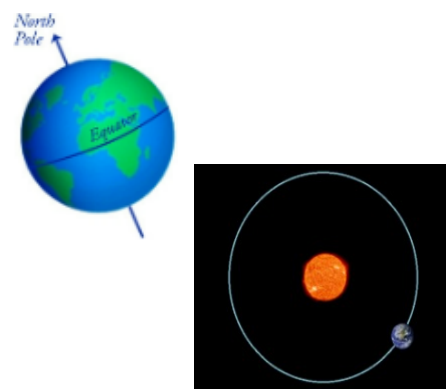
### Key knowledge – Our Solar System



#### Did you know?

That our **solar system** consists of the **sun** (our star) which is the source of **energy** (heat and light) in our solar system. There are **eight planets** and one dwarf planet in our solar System: Mercury, Venus, Earth, Mars, Saturn, Uranus Neptune – Pluto is a dwarf planet. Each planet has natural satellites (such as our moon), as well as asteroids, comets, and countless particles of smaller debris.

### Key knowledge – Day and Night and the change in seasons occur as a result of the Earth rotating the Sun.



The planets **rotate** (spin) as they **orbit** the Sun. It takes the Earth 24 hours to make one complete turn on its axis, so an Earth day is 24 hours long. Day and night occur as a result of the Earth's **rotation**. The Earth rotates around the Sun. The North Pole always points the same way as the Earth rotates around the Sun. The Earth's rotation around the sun causes the four different seasons.