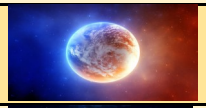
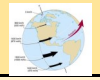
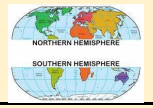
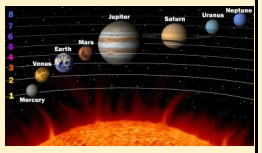
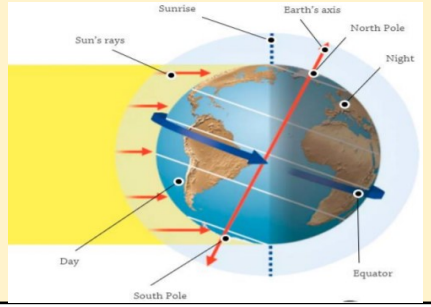
Knowledge Organiser

Vocabulary

Pictures	Key word	Definition
	Planet	An object that orbits a star and does not emit its own light
	Star	Giant spheres of super hot gas mostly made from hydrogen and helium.
	Rotate	The spin of a body upon its axis.
	Solar System	A star with objects (such as planets) orbiting it.
	Orbit	A curved path of a planet, moon or satellite around an object.
	Moon	A celestial body that makes an orbit around a planet.
	Spherical	Shaped like a sphere.
	Season	The four divisions of the year made by the Earth's changing position in relation to the Sun
	Axis	An imaginary line about which an object spins.
	Tilt	A sloping position or movement.
	Hemisphere	A half of a sphere. Northern hemisphere and Southern hemisphere
	The planets in our Solar System	Mercury, Venus, Earth, Jupiter, Saturn, Uranus, Neptune, (Pluto, dwarf planet).

DAY and NIGHT

Earth rotates (spins) on its axis, it does a full spin once every 24 hours, which is our day and night. Daytime occurs when the side of the Earth is facing the sun and night occurs when the side of the Earth is facing away from the sun.



The EARTH and the MOON

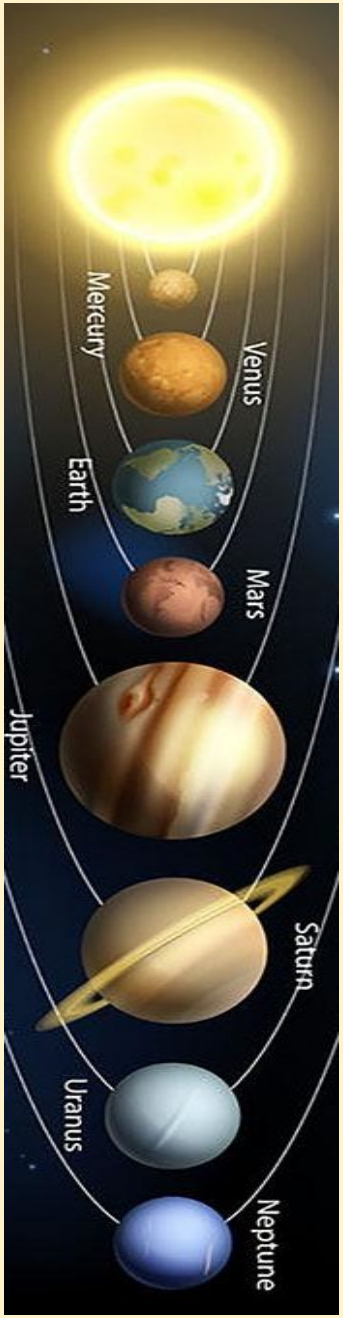
The moon orbits Earth in an oval-shaped path whilst it spins on its axis. At different times in the month the moon appears to be different shapes, this is because the sun lights up different parts of the moon as the moon moves around the Earth.

Further Reading

Earth and space - KS2 Science - BBC Bitesize

http://www.bbc.co.uk/bitesize/topics/zkbbkqt

THE PLANETS



GLUE ME

Earth and Space

Statutory Requirements
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
Describe the Sun, Earth and Moon as approximately spherical bodies.
Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

QUESTIONS TO DEEPEN YOUR LEARNING

Character	Critical Thinking	Creativity	Communication	Citizenship	Collaboration
What effect does the moon have on the Earth?	How has the understanding of our Solar System developed over time?	Can I compare the times of day in different places on Earth?	What is the difference between the rock and the gas planets?	What would humans need to be able to survive on another planet?	Why is not safe to look directly at the Sun?