



Earth and Space



Pupils will learn

- To understand how we know the Sun, Earth and Moon are spherical.
- To name and describe the features of the planets in our solar system.
- To explain how planets move in our solar system.
- To investigate night and day in different parts of the Earth.
- To explain the movement of the Moon.

Important facts

Local Links

- National Space Centre - Leicester
- Cambridge Science Centre
- Science Museum - London

Home Learning Ideas

- Make a 3D model rocket with a parachute to aid re-entry.
- Find out facts about space missions.
- Create your own space themed top trumps cards.
- Bake your own space themed cookies or biscuits.
- Make an acrostic poem for one of the planets.
- Make a space mobile that you could hang in the classroom.

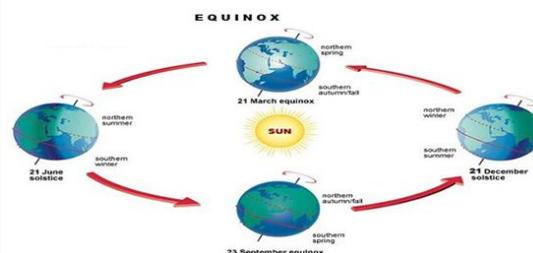
Books to read at home

- Cosmic by Frank Cottrell Boyce and Steven Lenton
- The Skies Above my Eyes by Charlotte Guillain and Yuval Zommer
- The International Space Station by Clive Gifford and Dan Schlitzkus

Inquiry Questions

- Why did the Vikings invade Britain?
- What is the Viking hierarchy?
- What rituals, Gods and medicines did the Vikings use?

Further Information



Key Vocabulary

Asteroid	A small rocky body orbiting the sun	Star	A fixed luminous point in the night sky which is a large, remote body like the sun
Axis	An imaginary line about which a body rotates	Sun	The star round which planets orbit
Dwarf planet	A celestial body resembling a small planet but lacking certain technical criteria to be classed as a planet e.g. Pluto	Galaxy	An extremely large group of stars and planets that extends over many billions of light-years, held together by gravity.
Moon	A natural satellite of any planet	Universe	All of space and everything in it (including stars, planets and galaxies).
Orbit	The regularly repeated oval course of a celestial object around a star or planet	Meteor	A mass of rock that burns after entering the Earth's atmosphere (meteorite when the rock has cooled on Earth)
Astronomy	The branch of science that deals with space and the physical universe as a whole	Comet	A mass of ice and dust that has a long, luminous tail of gas
Rotation	The action of rotating about an axis or centre	Geocentric	Where people believed the earth was at the centre of the solar system
Solar system	The collection of eight planets and their moons in orbit around the sun	Heliocentric	Representing the sun as the centre of the solar system, the modern view of the solar system

* Words in grey are Tier 2 (non-topic specific) vocabulary