

Earth and Space



Year 5

Think deeply about...

- What a day would be like on another planet?
- What would happen if any part of our Galaxy moved slightly?
- Which planet is the most significant and why?

Learn...

- The planets of the solar system (including Pluto – dwarf planet).
- How the planets orbit the sun.
- How to make an orrery of our solar system.
- How we get seasons.
- The Earth is almost spherical – why?
- How we have day and night.
- How the Moon orbits the Earth.

Use...

Solar system- the collection of eight planets and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, meteoroids, and comets.

Galaxy- a system of millions or billions of stars, together with gas and dust, held together by gravitational attraction. The galaxy of which the solar system is a part; the Milky Way.

Orbit- the curved path of a celestial object or spacecraft round a star, planet, or moon,

Spherical- shaped like a sphere.

Planet- a celestial body moving in an elliptical orbit round a star.

Asteroids- a small rocky body orbiting the sun. Large numbers of these, ranging enormously in size, are found between the orbits of Mars and Jupiter, though some have more eccentric orbits.

Comets- a celestial object consisting of a nucleus of ice and dust and, when near the sun, a 'tail' of gas and dust particles pointing away from the sun.



Explore...

Earth and Space explanations and videos- <https://www.bbc.com/bitesize/topics/zkbbkqt>

NASA- <https://www.nasa.gov/>

Apollo 11 moon landing 50th anniversary- https://www.nasa.gov/mission_pages/apollo/apollo11.html