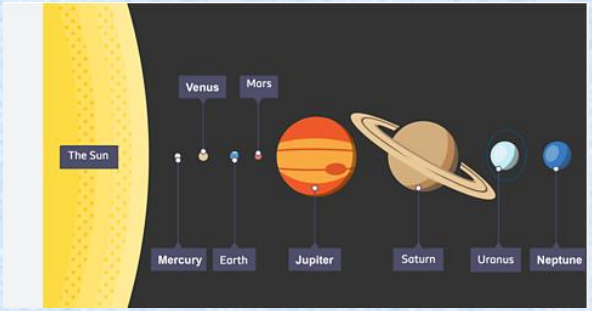
To The Stars – Earth and Space

Year 5

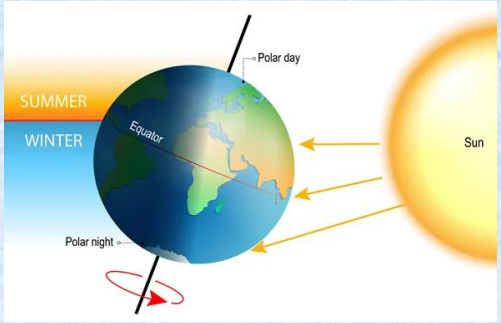


Links to Previous Learning

In year 1, we learned to observe changes across the 4 seasons, to observe and describe weather associated with the seasons and how day length varies.

Key Knowledge

To understand that it takes a year for the Earth to orbit the sun.
That the sun is a star at the centre of our solar system.
To understand the other planets in the solar system take different lengths of time to orbit the sun.
To recognise the position of the planets in the solar system.
That a moon is a celestial body that orbits a planet.
To recognise that the Earth, Sun and Moon are spherical.
To give examples of evidence to prove that the Earth, Sun and Moon are spherical.
To explain why people have not always believed that the Earth was spherical.



Key Skills:

* plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
* take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs, oral and written forms such as displays and other
* identify scientific evidence that has been used to support or refute ideas or arguments
* report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in presentations
* use test results to make predictions to set up further comparative and fair tests.

Planet: A celestial object that orbits a star like our solar system's Sun.
Orbit: The curved path of a celestial object or spacecraft round a star, planet, or moon.
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.
Spherical bodies: Planets, dwarf planets and small solar systems.
Rotates: To move or cause to move in a circle round an axis or centre.
Axis: An imaginary line about which a body rotates