

What should I already know?

- Observe changes across the four seasons
- Observe and describe weather associated with the seasons and how day length varies.
- Recognise that light from the sun can be dangerous and that there are ways to protect their eyes
- Recognise that shadows are formed when the light from a light source is blocked by an opaque object
- Find patterns in the way that the size of shadows change

Investigations

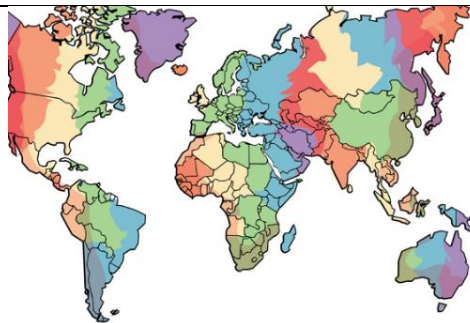
- To research the planets in the Solar System
- To explain how we know that the Earth is a spherical body
- To find out how long it takes for each planet to orbit the sun
- To model the movement of the Earth, Sun and Moon
- To investigate what happens to the sun during the day
- To describe the movement of the Moon relative to the Earth using diagrams

What will I know by the end of the unit?

Order of the planets

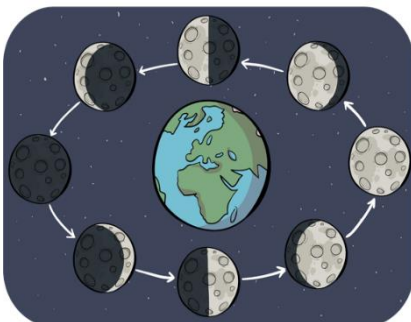


Time zones map



This map shows the differences in times across the world.

The Stages of the Moon



Vocabulary

Sun	A huge star that the Earth and the other planets in our solar system orbit around
Star	A giant ball of gas held together by its own gravity
Moon	A natural satellite which orbits the Earth and other planets
Planet	A large object, round or nearly round, that orbits a star
Sphere	A round 3D shape in the shape of a ball
Spherical bodies	Astronomical object shapes like spheres
Satellite	Any object or body in space that orbits something else, for example the moon is a satellite of the Earth
Orbit	To move in a regular, repeating curved path around another object
Rotate	To spin
Axis	An imaginary line that a body rotates around
Astronomer	Someone who studies or is an expert in astronomy (Space Science)