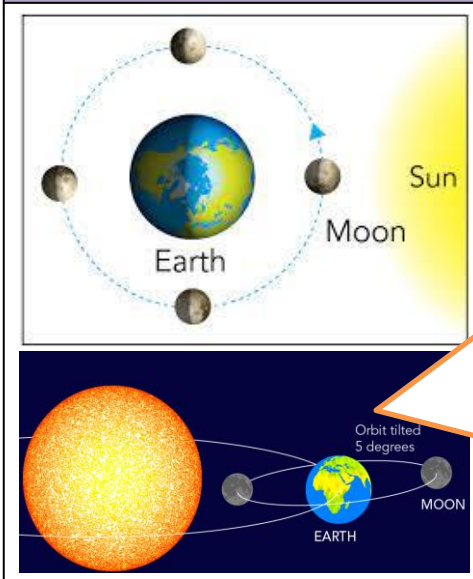
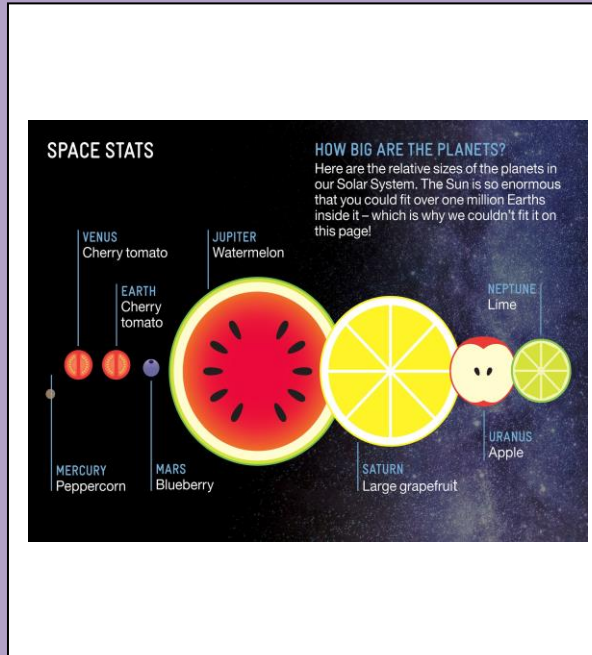


Prior Knowledge and Overview:

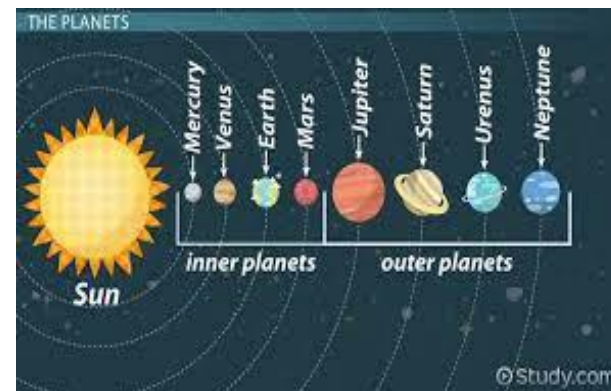
The children will describe the movement of the Earth and other planets relative to the sun in the solar system, as well as the movement of the moon relative to the Earth. They will also use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Key Vocabulary

orbit	the path of an object around a particular point in space, for example the path the Moon takes around the Earth.
Celestial body	A natural object that exists outside the Earth's atmosphere
rotation	Is when something turns or spins around a point located at its centre.
relative	Comparison to.
revolution	The process of the Earth circulating the sun in its orbit. Determines the seasons and the length of the year.
Axis	Is an invisible line around which an object rotates or spins. Every planet in our solar system rotates on its own axis.
constellation	A name given to a group of named stars.



The Moon travels around our planet once every 27.322 days in an elliptical orbit, an elongated circle. The Moon is tidally locked with Earth, which means that it spins on its axis exactly once each time it orbits our planet. Because of this, people on Earth only ever see one side of the Moon.



The diagram explains how the Earth's rotation causes day and night.