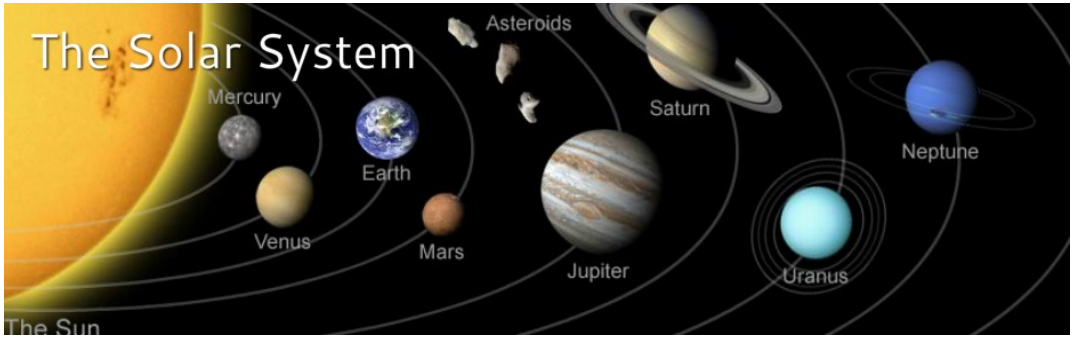
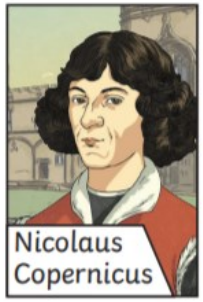
Science **Year 5** **Earth and Space**

Together, we flourish.

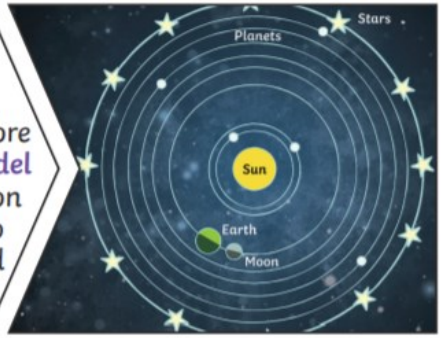
"God is more glorious than the moon;
he shines brighter than the stars" Job 25:5

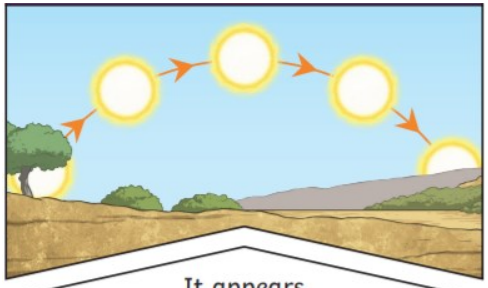




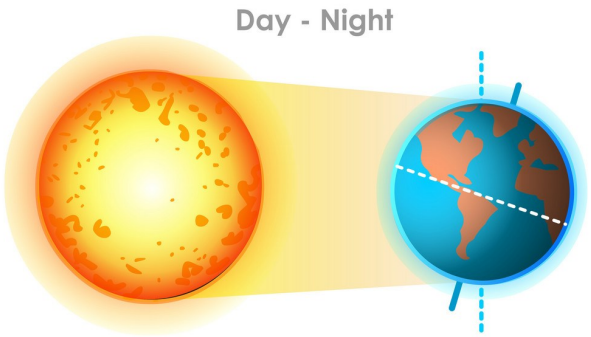
Nicolaus Copernicus

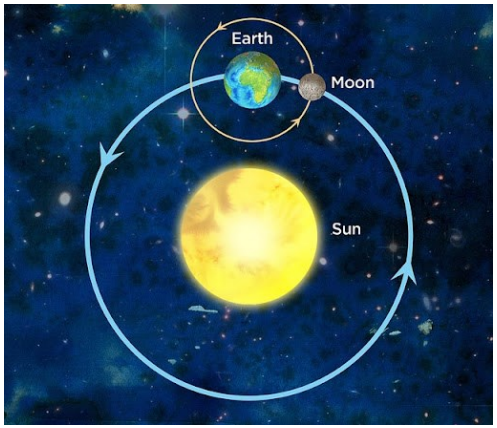
The work and ideas of many astronomers (such as Copernicus and Kepler) combined over many years before the idea of the heliocentric model was developed. Galileo's work on gravity allowed astronomers to understand how planets stayed in orbit.





It appears to us that the Sun moves across the sky during the day but the Sun does not move at all. It seems to us that the Sun moves because of the movements of Earth.





Lets investigate!

Can you compare the time of day at different places on the Earth?

Can you construct a shadow clock?

Can you keep a moon diary over the course of a month? What do you notice?

Key Vocabulary			
sun	planet	satellite	axis
star	sphere	orbit	sundial
moon	spherical bodies	rotate	astronomer