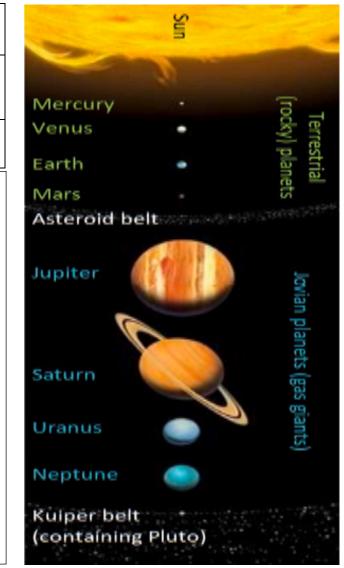
Earth Sun and Moon Knowledge Organiser

Key Vocabulary		
Sun	A huge star that 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 Earth or other planets	
Planet	A large object, round or nearly round that orbits a star	
Spherical bodies	Astronomical objects shaped like spheres.	
Satellite	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.	
orbit	To move in a regular, repeating curved path around another object.	
Rotate	To spin. E.g. Earth rotates on its own axis.	
Axis	An imaginary line that a body rotates around. E.g. Earth's axis (imaginary line) runs from the North Pole to the South Pole.	
Geocentric model	A belief people used to have that other planets and the Sun orbited around Earth.	
Heliocentric model	The structure of the Solar System where the planets orbit around the Sun.	

Someone who studies or is an expert in astronomy (space science).	
A gradual increase in magnitude or extent. (of the moon) pertaining to the period during which the visible surface of the moon increases	Me
Have a progressively smaller part of its visible surface illuminated, so that it appears to decrease in size.	Ve Ea
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Year 5 and 6 Science





seasons

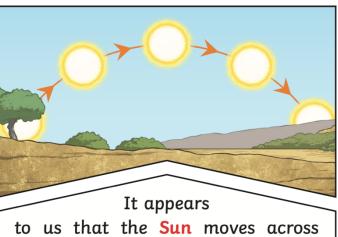
Earth Sun and Moon Knowledge Organiser

Earth rotates (spins) on its axis. It does a full rotation once in every 24 hours. At the same time that Earth is rotating, it is also orbiting (revolving) around the Sun. It takes a little more than 365 days to orbit the Sun. Daytime occurs when the side of Earth is facing towards the Sun. Night occurs when the side of Earth is facing away from the Sun. DAY and NIGHT - Earth rotates (spins) on its axis, it does a full spin once every 24 hours, which is our day and night. Daytime occurs when the side of the Earth is facing the sun and night occurs when the side of the Earth is facing away from the sun.

Sun's rays Day Day South Pole



Year 5 and 6 Science

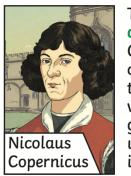


to us that the **Sun** moves across the sky during the day but the **Sun** does not move at all. It seems to us that the **Sun** moves because of the movements of Earth.

The Moon orbits Earth in an ovalshaped path while spinning on its axis. At various times in a month, the Moon appears to be different shapes. This is because as the Moon rotates round Earth, the Sun lights up different parts of it.

Geocentric model Years ago people believed that planets moved around the Earth.





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.

