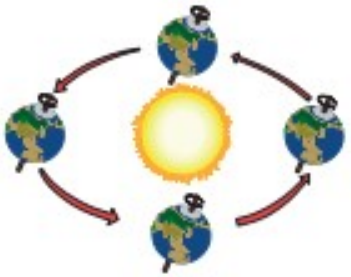
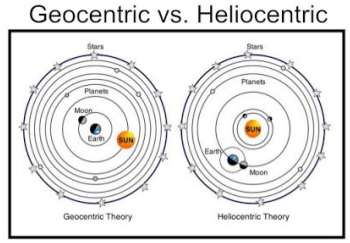
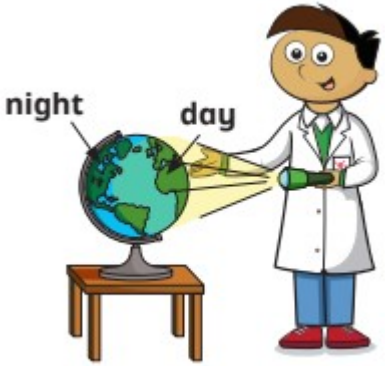
Mossfield Primary School Knowledge Organiser

Year 5 — **Space** —Describe the Sun, Earth and Moon as approximately spherical bodies. Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

The Solar System and The Planets 	Modelling 	Motion of the Earth and planets 	The Solar System – ideas over time 
Planet Earth 	Night and day 	The Moon 	What is global warming and the impact on living things 

Key Vocabulary

Axis	An imaginary line that a body rotates around. E.g. Earth's axis runs from the North Pole to South Pole.
Celestial body	A celestial body is anything in space that exists naturally, like the sun, moon, planets, and stars.
Day	A day is the time it takes for the Earth to spin all the way around once on its axis, which is about 24 hours.
Earth	The Earth is the planet we live on.
Geocentric model	A belief people used to have that other planets and the Sun orbited the Earth.
Gravitational force	The gravitational force is a force that attracts any two objects with mass.
Gravity	Gravity is a force that pulls objects towards each other.
Heliocentric model	The structure of the solar system where the planets orbit the Sun.
Moon	A natural satellite which orbits around Earth.
Night	Night is the time when the part of the Earth we're on is facing away from the sun, making it dark outside.
North Pole	The North Pole is the northernmost point on Earth, located in the Arctic Ocean.
Orbit	To move in a regular, repeating curved path around another object.
Planets	A large object, round or nearly round, that orbits a star.
Pluto	Pluto is a dwarf planet located in the outer solar system .
Rotate	To spin. E.g. Earth rotates on its own axis.
Satellite	A satellite is something that orbits or circles around a larger object in space.
Solar system	The Solar System is a space in which there is the Sun and planets revolve around it due to a force known as gravity.
South Pole	The South Pole is the southernmost point on Earth.
Spherical bodies	Astronomical objects shapes like spheres.
Sun	A huge star that Earth and the other planets in our solar system orbit around.