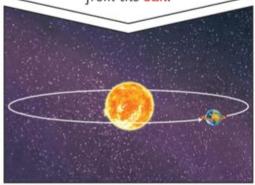
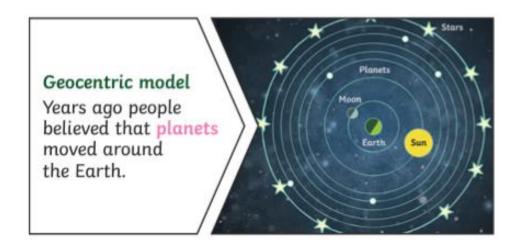


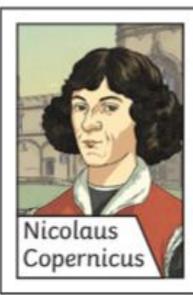
to us that the Sun moves across the sky during the day but the Sun does not move at all. It seems to us that the Sun moves because of the movements of Earth.



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.







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.



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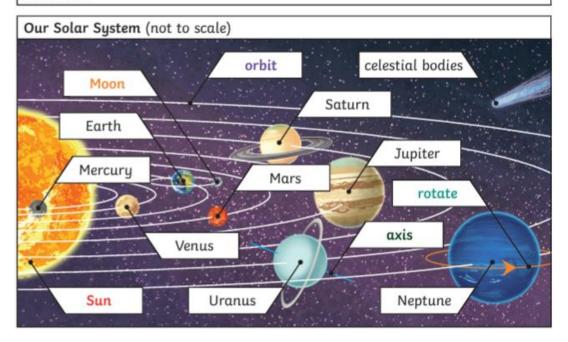
Sun	A huge star that Earth and th
Sun	other planets in our solar system orbit around.
star	A giant ball of gas held together bits own gravity.
moon	A natural satellite which orbit Earth or other planets.
planet	A large object, round or nearly round that orbits a star.
sphere	A round 3D shape in the shape of a ball.
spherical bodies	Astronomical objects shapes likes spheres.
satellite	Any object or body in space the orbits something else, for example the Moon is a satellite of Earth.
orbit	To move in a regular, repeatin curved path around another object
rotate	To spin. E.g. Earth rotates on it own axis.
axis	An imaginary line that a bod rotates around. E.g. Earth's ax i (imaginary line) runs from th North Pole to the South Pole.
geocentric model	A belief people used to have the other planets and the Sun orbite around Earth.
heliocentric model	The structure of the Solar Syster where the planets orbit aroun the Sun.
astronomer	Someone who studies or is an experin astronomy (space science).

EARTH AND SPACE

HAWK & EAGLE (Page 1)

Key Knowledge

Mercury, Venus, Earth and Mars are rocky planets. They are mostly made up of metal and rock. Jupiter, Saturn, Uranus and Neptune are mostly made up of gases (helium and hydrogen) although they do have cores made up of rock and metal.





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.