
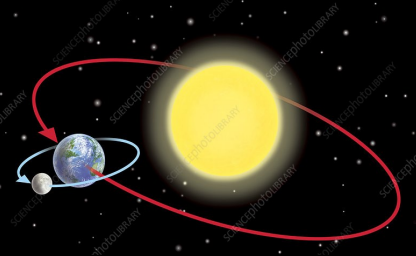



Ashfield Valley Primary School—Year 5—Science— What is the Solar System?

Vocabulary	Meaning	Key Knowledge
Sun	A star which all the planets in the SOLAR System orbit. It is our nearest star and it gives us heat and light.	 <p>There are 8 planets in the Solar System. The Sun is at the centre. The planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. A year is measured by how long it take a planet to make one orbit of the sun.</p>
star	A giant ball of gas held together by gravity.	
Moon	A natural satellite which orbits a planet.	
planet	A large object which orbits a star.	
sphere	A round 3D shape like a ball.	
spherical bodies	Astronomical bodies that are shaped like a ball.	
satellite	A body that orbits another object e.g. the Moon orbits the Earth.	
orbit	To move in a repeated curved pattern around another object.	
rotate	To spin around .	
axis	An imaginary line that runs from the North Pole to the South Pole.	
heliocentric model	Where planets in the Solar System orbit the Sun.	 <p>Day and Night</p> <p>When the side of the Earth is facing the Sun it is day and when the side of the Earth facing away from the Sun it is night. We have day and night because the Earth rotates on its axis. This takes 25 hours and that is how a day is measured.</p>
geocentric model	People used to believe that the Earth was at the centre of the Solar System.	
astronomer	Someone who studies the stars and planets.	
		 <p>Phases of the moon</p> <p>The moon appears to change shape over a month.</p>