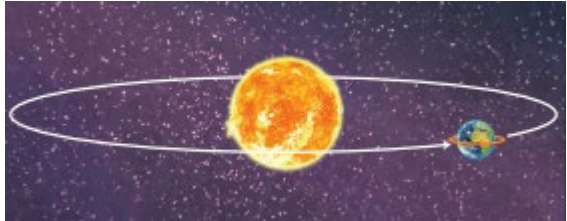


## Year 5 Autumn Term

### Space: Do you know what's really out there?

<u>Key vocabulary</u>		<u>Key knowledge</u>
Sun	A star that Earth and all the other planets in our solar system orbit around.	<p>Earth rotates (spins) on its axis. It does a full rotation once 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 356 days to orbit the Sun. Day time occurs when the side of the Earth is facing towards the Sun. Night occurs when the side of the Earth is facing away from the Sun.</p>  <p>The diagram shows a large orange-yellow sun in the center. A white elliptical line represents the orbit. A small blue and green Earth is shown on the orbit, with a red line representing its axis of rotation. The background is a dark purple space with small white stars.</p>
Star	A giant ball of gas held together by its own energy.	
Planet	A large object, that is 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. The Moon is a natural satellite of Earth.	
Orbit	To move in a regular, repeating curved path around another object.	
Rotate	To spin. E.g. The Earth rotates on its own axis.	
Geocentric model	The belief that people used to have that other planets and the sun revolved around Earth.	
Heliocentric model	The structure of the solar system where planets orbit around the sun.	
		<b><u>Key events and people</u></b>
		<p>The first animal in space- Laika the dog, 1957 The first human in space- Yuri Gagarin, 1961 Valentina Tereshkova- The first woman in space, 1963 Neil Armstrong- The first person to step foot on the moon, 1969 The first space shuttle lands on Mars, 1972 International Space Station launch, 1998 Dennis Tito, the first space tourist, 2001</p>