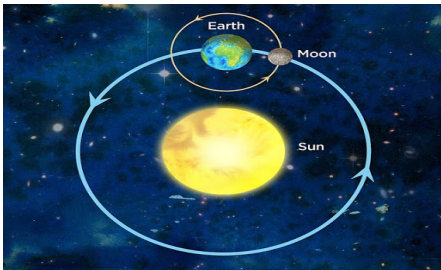
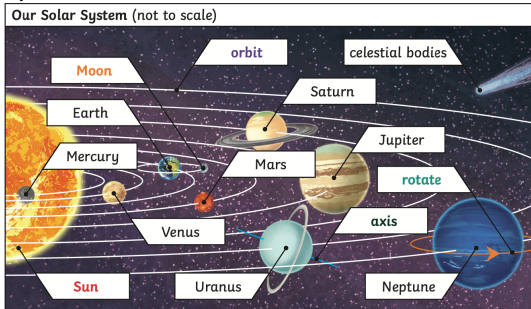


What I should already know	Key Facts – Earth, Sun and Moon	Vocabulary																
<p>Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.</p> <p>Recognise that shadows are formed when the light from a light source is blocked by an opaque object.</p> <p>Neil Armstrong – first man on the moon</p> <p>Year 2 topic on Space</p>	<p>The Sun is the only star in our Solar System. As Earth orbits the Sun, the Moon also orbits Earth.</p>  <p>Nowadays, we know that the Earth, Sun and Moon are approximately spherical (circular) bodies. It takes around 365 days to complete its orbit around the Sun. The Moon orbits the Earth around once every 27 days</p>	<table><tr><td>Earth</td><td>The planet on which we live</td></tr><tr><td>Planets (Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune)</td><td>A planet is a large object in space that moves around a star.</td></tr><tr><td>Sun</td><td>The Sun lies at the heart of the solar system, where it is by far the largest object. The Sun is a hot ball of glowing gases.</td></tr><tr><td>Solar system</td><td>The solar system is made up of the sun and all the planets that go around it, alongside moons, comets and asteroids.</td></tr><tr><td>Moon</td><td>A natural satellite of any planet or asteroid.</td></tr><tr><td>Orbit</td><td>An orbit is a regular, repeating path that one object in space takes around another one.</td></tr><tr><td>Gravity</td><td>Gravity is the force by which a planet, star or other body draws objects toward its centre.</td></tr><tr><td>Asteroid</td><td>A small rocky body orbiting the sun.</td></tr></table>	Earth	The planet on which we live	Planets (Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune)	A planet is a large object in space that moves around a star.	Sun	The Sun lies at the heart of the solar system, where it is by far the largest object. The Sun is a hot ball of glowing gases.	Solar system	The solar system is made up of the sun and all the planets that go around it, alongside moons, comets and asteroids.	Moon	A natural satellite of any planet or asteroid.	Orbit	An orbit is a regular, repeating path that one object in space takes around another one.	Gravity	Gravity is the force by which a planet, star or other body draws objects toward its centre.	Asteroid	A small rocky body orbiting the sun.
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Key Facts – The Solar system	Key Facts – Why do we have night and day?																	
<p>In space, planet Earth - the planet inhabited (lived in) by humans - alongside other planets, stars, moons, asteroids and other objects form our Solar System.</p>  <p>Our Solar System (not to scale)</p> <p>Inside the Solar System, Earth and seven other planets (as well as the dwarf planet Pluto) orbit (travel round) the Sun due to its gravitational pull.</p>	<p>As the Earth orbits the Sun, it rotates, meaning half of the Earth is facing the Sun whilst the other half is facing away. The part of the Earth facing the Sun will experience day and the part facing away will experience night. It takes 24 hours for the Earth to rotate on its axis. It's not the Sun's movement, but the Earth's that makes the Sun appear to rise in the morning from the east and set in the evening in the west. Because different parts of the world experience day and night at different times, there are different time zones for different places e.g. when it's 3:15pm in Leeds, it's 10:15am in New York. Sometimes there are different time zones in the same country.</p> 