



Science		Year 5	
<b>Focus: Earth and Space</b>			
Age related vocabulary			
<b>Solar system</b>	The solar system consists of the Sun and everything that orbits, or travels around, the Sun. This includes the eight planets and their moons, dwarf planets, and countless asteroids, comets, and other small, icy objects.	<b>Axis</b>	An axis is an invisible line around which an object rotates, or spins.
<b>Orbit</b>	An orbit is a repeated path that an object (known as a satellite) takes around another object. The planet Earth orbits the Sun, along with the other planets in our solar system.	<b>Gravity</b>	Gravity is the name for a force that pulls everything down toward the centre of the Earth.

Carlton Assessment Grid			
Success Criteria	Pupil Reflection		Teacher Assessment
I can explain why the Sun, Earth and moon are spherical.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can describe the features of our planets in the solar system.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain how planets move in our solar system.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain day and night and the apparent movement of the sun across the sky.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain day and night in different parts of the Earth.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain the movement of the moon.	Before <input type="checkbox"/>	After <input type="checkbox"/>	

Key Knowledge
<ul style="list-style-type: none"> <li>• Understand that Earth, Sun, planets and moon are all spherical in shape.</li> <li>• The Earth is one of eight planets that orbit the Sun.</li> <li>• It takes 365 days/year to do this.</li> <li>• The solar system is home to lots of asteroids, moons and dwarf planets such as Pluto.</li> <li>• The planets are called Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.</li> <li>• The Earth spins on its axis in anti-clockwise direction as it orbits the Sun.</li> <li>• As the Earth orbits the sun, we have different seasons and the further away it is from the sun, the cooler it is.</li> <li>• The rotation of the Earth causes day and night. The Earth takes 24 hours to complete one rotation.</li> <li>• The moon does not have its own light but it reflects sunlight. During the day it can also be seen. The moon takes almost 28 days to go around the Earth.</li> <li>• The moon has different phases (or lunar phases). The lunar phases are the various ways in which the face of the moon is illuminated by the Sun.</li> </ul>

