




Year 5 – Earth and Space

Key Concepts	Learning possibilities	Scientific Enquiry	Prior Learning
<p>Describe the movement of earth and other planets relative to the sun in the solar system</p> <p>Describe the movement of the moon relative to the earth.</p> <p>Describe the sun, earth and moon as approximately spherical bodies.</p> <p>Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p>	<ul style="list-style-type: none"> • Use secondary sources to help create a model e.g. role play or using balls to show the movement of the Earth around the Sun and the Moon around the Earth. • Use secondary sources to help make a model to show why day and night occur. • Make first-hand observations of how shadows caused by the Sun change through the day. • Make a sundial. • Research time zones. • Consider the views of scientists in the past and evidence used to deduce shapes and movements of the Earth, Moon and planets before space travel. 		<ul style="list-style-type: none"> • Explore the natural world around them. (Reception - Earth and space) • Describe what they see, hear and feel whilst outside. (Reception - Earth and space) • Observe changes across the four seasons. (Y1 - Seasonal changes) • Observe and describe weather associated with the seasons and how day length varies. (Y1 - Seasonal changes)
Cultural Capital			
Key Vocabulary		<p>Galileo Galilei 1564-1642</p> <p>Galileo constructed a powerful telescope to view the heavens, He discovered that the Earth was not the centre of the solar system.</p>  <p>open the website: www.bp.com/bpes click on 'Enter a student code' enter the code: 71553</p>	<p>Earth Is Big by Steve M Tomecek</p> 
<p>Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, solar system, rotates, star, orbit, planets</p>			