



St Bartholomew's Knowledge Organiser	Class 4	Spring 1 Science – Year B	Earth and Space
<b>What we will learn:</b>		<b>Science Knowledge</b>	
In this unit you will learn: <ul style="list-style-type: none"><li>➤ To understand the relative sizes of the sun, earth and moon.</li><li>➤ To define different objects in space.</li><li>➤ To use secondary sources to learn about the planets of solar system and their order from the sun.</li><li>➤ To explain the Earth's rotation and why day and night occur</li><li>➤ To investigate and demonstrate how shadows change throughout the day.</li><li>➤ To investigate how the Earth's tilt causes the seasons.</li><li>➤ To create 'Oreo Moons' to show the different phases of the moon.</li><li>➤ To design a planet based on your astrological knowledge.</li></ul>		<ul style="list-style-type: none"><li>➤ Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.</li><li>➤ Describe the movement of the Moon relative to the Earth.</li><li>➤ Describe the Sun, Earth and Moon as approximately spherical bodies.</li><li>➤ Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.</li></ul>	
<b>Important Vocabulary</b>		<b>Science skills we will develop:</b>	
Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, solar system, rotates, star, orbit, planets, asteroid, galaxy, Milky Way, solar system, comet, asteroid.		<ul style="list-style-type: none"><li>➤ Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</li><li>➤ Identify scientific evidence that has been used to support or refute ideas or arguments.</li><li>➤ Record data of increasing complexity using tables, scatter graphs, bar and line graphs.</li><li>➤ Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms.</li></ul>	