



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