

Title: Earth and Space		Year: 5 Duration: 2 weeks
Teaching Ideas	Subject	National Curriculum Objectives
<p>Create large scale models, selecting the appropriate shape and relative sizes, to represent the Earth, Sun and Moon (and other planets within the solar system)</p> <p>Use models to explain scientific concepts such as day and night; the seasons; phases of the moon.</p> <p>Create shadow clocks / sundials. Look at changes between different time zones around the world.</p> <p>Learn about how scientific ideas about the solar system have developed from the work of the early scientists, the space programme, and work of scientists such as Ptolemy, Alhazen and Copernicus.</p>	<p>Science</p> <p>Literacy links: Science Fiction</p> <p>Class novel: The Hitchhiker's Guide To the Galaxy Doctor Who novels</p>	<ul style="list-style-type: none"> <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 such as displays and other presentations</li> <li>• Identify scientific evidence that has been used to support or refute ideas or arguments</li> <li>• Use test results to make predictions</li> <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 Earth, sun 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>