

# NC REFERENCES AND PRIOR KNOWLEDGE

LESSON NUMBER	NATIONAL CURRICULUM PROGRAMME OF STUDY REFERENCE	PRIOR KNOWLEDGE FOR KEY STAGE 2
Lesson 1 Our Solar System	<p><b>Sc4, 4a</b> how the movement of the Earth causes the apparent daily and annual movement of the Sun and other stars.</p> <p><b>Sc4, 4d</b> that the Sun and the other stars are light sources and that the planets and other bodies are seen by reflected light.</p>	<ul style="list-style-type: none"> <li>■ know that the Sun, Earth and Moon are approximately spherical.</li> <li>■ recall how the position of the Sun appears to change during the day and how shadows change as this happens.</li> <li>■ recall how day and night are related to the spin of the Earth.</li> <li>■ recall that the Earth orbits the Sun once each year, and that the Moon takes approximately 28 days to orbit the Earth.</li> </ul>
Lesson 2 Moving Earth	<p>As lesson 1 and</p> <p><b>Sc4, 4b</b> the relative positions of the Earth, Sun and planets in the Solar System.</p> <p><b>Sc4, 4e</b> about the use of artificial satellites and probes to observe the Earth and explore the Solar System.</p>	As lesson 1.
Lesson 3 Using Models	As lessons 1 and 2.	As lesson 1.
Lessons 4 and 5 Because I said so!	<p><b>Sc1, 1a</b> about the interplay between empirical questions, evidence and scientific explanations using historical and contemporary examples.</p> <p><b>Sc1, 1c</b> about the ways in which scientists work today and worked in the past, including the roles of experimentation, evidence and creative thought in the development of scientific ideas.</p>	<ul style="list-style-type: none"> <li>■ that science is about thinking creatively to try to explain how living and non-living things work, and to establish links between causes and effects.</li> <li>■ it is important to test ideas using evidence from observation and measurement.</li> </ul>
Lesson 6 Is Pluto a planet?	<p>As lesson 4 and 5 and</p> <p><b>Sc1, 1b</b> that it is important to test explanations by using them to make predictions and by seeing if evidence matches the predictions.</p>	As lesson 4 and 5.
Lesson 7 Mission to Pluto	<b>Sc4, 4e</b> about the use of artificial satellites and probes to observe the Earth and explore the Solar System.	
Lessons 8 and 9 Putting it all together	These lessons cover aspects of the 'Breadth of Study' depending on which activity is selected.	These lessons develop aspects of the 'Breadth of Study' covered at Key Stage 2.