



Period Taught (Half term/number of weeks etc.)	Unit/Topic To Be Taught	Key Areas Covered within Unit/Topic Main Objectives
Autumn 1 7 weeks	Earth and Space	<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</li> </ul>
Autumn 2 7 weeks	Forces	<ul style="list-style-type: none"> <li>• Explain that unsupported objects fall to the earth because of the force of gravity acting between the earth and the falling object.</li> <li>• Identify the effects of air resistance, water resistance and friction that act between moving surfaces.</li> <li>• Recognise that some mechanisms, including levers, pulleys and gears allow a smaller force to have a greater effect.</li> </ul>
Spring 1 6 Weeks	Properties and Changes of Materials	<ul style="list-style-type: none"> <li>• Compare and group together everyday materials based on their properties.</li> <li>• Know that some materials will dissolve in liquid to form a solution and how to recover a substance from a solution.</li> <li>• Use knowledge of solids, liquids and gases to decide how mixtures might be separated through filtering, sieving and evaporating.</li> <li>• Give reasons based on evidence from comparative and fair tests for the particular uses of everyday materials.</li> </ul>

		<ul style="list-style-type: none"> <li>• Demonstrate that dissolving, mixing and changes of state are reversible changes.</li> <li>• Explain that some changes result in the formation of new materials and that this kind of change is not usually reversible.</li> </ul>
Spring 2 6 Weeks	STEM	<ul style="list-style-type: none"> <li>• To plan and design a solution to a problem.</li> <li>• To create a model based on their design.</li> <li>• Test and improve their model.</li> <li>• Reflect upon their project and make improvements for the future.</li> </ul>
Summer 1	Living Things and their Habitats	<ul style="list-style-type: none"> <li>• Describe the differences in the lifecycle of a mammal, an amphibian, an insect and a bird.</li> <li>• Describe the life process of reproduction in some plants and animals.</li> </ul>
Summer 2	Animals including Humans	<ul style="list-style-type: none"> <li>• Describe the changes as humans develop to old age.</li> </ul>