

Autumn 1 A Victorian Education	Autumn 2 What Price Progress?	Spring 1 Our Place in Space	Summer 2 A Village School
<p><u>Animals incl. Humans</u></p> <ul style="list-style-type: none"> <li>Describe the changes as humans develop to old age</li> </ul> <p><u>SRE</u></p> <ul style="list-style-type: none"> <li>Learn about changes experienced in puberty</li> </ul>	<p><u>Materials</u></p> <ul style="list-style-type: none"> <li>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets.</li> <li>Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</li> <li>Understand that some materials dissolve in liquid to form a solution and describe 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>Show that dissolving, mixing and changes of state are reversible changes</li> <li>Explain that some changes are irreversible and result in the formation of new materials (including changes associated with burning and the action of acid or bicarbonate of soda)</li> </ul> <p><u>Forces</u></p> <ul style="list-style-type: none"> <li>Understand that some mechanisms allow small forces to have a greater effects e.g. levers pulleys and gears</li> </ul> <p><u>Environmental Science</u></p> <ul style="list-style-type: none"> <li>Understand sources of man-made carbon emissions</li> <li>Understand the impact of carbon emissions and deforestation on average world temperatures.</li> <li>Understand consequences of rising temperatures on the icecaps and patterns of weather.</li> <li>Understand the environmental impact of rising sea levels on habitats</li> </ul> <p>** Non statutory</p>	<p><u>Earth and Space</u></p> <ul style="list-style-type: none"> <li>Describe how the Earth and other planets move in the solar system, relative to the Sun</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>Explain day, night and the apparent movement of the sun across the sky, with reference to the Earth's rotation</li> </ul>	<p><u>Living things and their habitats</u></p> <ul style="list-style-type: none"> <li>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</li> <li>Describe the process of reproduction in some plants and animals</li> </ul> <p><u>SRE</u></p> <ul style="list-style-type: none"> <li>Learn about changes experienced in puberty</li> </ul>