

	Learning Cycle 1	Learning Cycle 2	Learning Cycle 3
Year 9	<ul style="list-style-type: none"> <li>Key biological concepts</li> <li>States of matter</li> <li>Methods of separating and purifying substances</li> </ul>	<ul style="list-style-type: none"> <li>Motion</li> <li>Cells and control</li> <li>Atomic structure</li> <li>The periodic table</li> </ul>	<ul style="list-style-type: none"> <li>Forces and motion</li> <li>Genetics</li> <li>Ionic bonding</li> </ul>
Year 10	<ul style="list-style-type: none"> <li>Ionic bonding</li> <li>Covalent bonding</li> <li>Types of substance</li> <li>Conservation of energy</li> <li>Natural selection and genetic modification</li> </ul>	<ul style="list-style-type: none"> <li>Waves</li> <li>Acids</li> <li>Health, disease and the development of medicines</li> <li>Light and the electromagnetic spectrum</li> <li>Radioactivity</li> <li>Calculations involving mass</li> <li>Electrolytic processes</li> </ul>	<ul style="list-style-type: none"> <li>Plant structures and their functions</li> <li>Obtaining and using metals</li> <li>Energy forces doing work</li> <li>Forces and their effects</li> </ul>
Year 11	<ul style="list-style-type: none"> <li>Classification, variation and inheritance</li> <li>The Earth's sea and atmosphere</li> <li>Materials from the Earth</li> <li>Acids</li> <li>Visible light and the solar system</li> <li>The electromagnetic spectrum</li> </ul>	<ul style="list-style-type: none"> <li>Responses to a changing environment</li> <li>Obtaining and using metals</li> <li>Fuels</li> <li>Waves and the Universe</li> <li>Waves and the Earth</li> <li>Controlled assessment</li> </ul>	<ul style="list-style-type: none"> <li>Problems of, and solutions to a changing environment</li> <li>Generation and transmission of electricity</li> <li>Energy and the future</li> </ul>