

## Technology Long Term Plan

Year	Curriculum Intent	Content	Method of assessment
8	<p><b>Engineering Design</b> Building on prior knowledge from year 7 students extend their understanding of the design and manufacturing process,</p> <p><b>Food Technology</b> Building on prior knowledge from year 7 students extend their knowledge of ingredients, healthy eating, nutrition, diet and health</p> <p><b>Information Technology</b> Building on prior knowledge from year 7, students will extend the complexity of planning and thinking skills required in designing databases and spreadsheets</p>	<p><b><u>Basic electronics and control:</u></b></p> <ul style="list-style-type: none"> <li>• Switch theory</li> <li>• Series / parallel control</li> </ul> <p><b><u>Communication:</u></b></p> <ul style="list-style-type: none"> <li>• Sketching</li> <li>• Rendering</li> <li>• Technical drawing</li> <li>• CAD</li> </ul> <p><b><u>Manufacture:</u></b></p> <ul style="list-style-type: none"> <li>• Accuracy in manufacture using a variety of materials</li> <li>• H&amp;S</li> <li>• 3D Printing</li> </ul> <p><i>Feeds forward to Year 9</i></p> <p><b>Food Technology</b></p> <ul style="list-style-type: none"> <li>• Food prep &amp; cooking techniques</li> <li>• Knowledge of consumer food &amp; drink choices</li> <li>• Apply knowledge to make informed choices</li> <li>• Develop creative technical and practical skills</li> </ul> <p><i>Feeds forward to Year 9</i></p> <p><b>Information Technology</b></p> <ul style="list-style-type: none"> <li>• Spreadsheet design – skill building.</li> <li>• Database design – skill building.</li> <li>• Project planning techniques and instruction sets               <ul style="list-style-type: none"> <li>○ Skill and complexity building</li> <li>○ The systematic and logical sequencing of more complex actions, inc the design and use of flowcharts.</li> </ul> </li> <li>• Analyzing data, presenting analyses and explanations of more complex data sets.</li> <li>• GUI design skills, more depth in GUI design.</li> </ul> <p><i>Feeds forward to Year 9</i></p>	<ul style="list-style-type: none"> <li>• Formal Tests, 3 weekly</li> </ul>