

### Key Stage 3 D&T Curriculum Overview

Year Group	Lessons Per Week	Resistant Materials	Electronics & Control Systems	Graphics	Food and Nutrition	Textiles
7	2	<p><b>Block Hero:</b></p> <p>Design and make a 'Block Figure' using a range of resistant materials.</p> <ul style="list-style-type: none"> <li>Numeracy</li> <li>Marking out equipment</li> <li>Use of hand tools</li> </ul>	<p><b>Moisture Tester:</b></p> <p>Design and make a device to detect moisture levels in household plants.</p> <ul style="list-style-type: none"> <li>Electronics and circuit simulation</li> <li>CAD/CAM</li> <li>Working with polymers</li> </ul>	<p><b>Marvel Project:</b></p> <p>Using perspective to develop drawing skills.</p>	<p>Hygiene, Health &amp; Safety.</p> <p>Basic Equipment, Recipes and Weighing &amp; Measuring.</p> <p>Practical Skills &amp; Techniques including the Bridge Hold &amp; Claw Grip.</p> <p>Eatwell Guide &amp; Introduction to Nutrition.</p> <p>Food Provenance</p>	<p>Hand Sewing skills.</p> <p>Decorative Fabric techniques.</p> <p>Design &amp; Make Task: Applique Electronic Cycle Safety Wristband.</p>
8	2	<p><b>Storage/Desk Tidy:</b></p> <p>Design and make a device to store 'note-pads' and other desk top items.</p> <ul style="list-style-type: none"> <li>Working with Timber</li> <li>Jointing and surface finishes</li> <li>Isometric sketching and CAD.</li> </ul> <p><b>Bird House:</b></p>	<p><b>Cycle Safety Project:</b></p> <p>Design and make a device to make cyclists visible in poor lighting conditions.</p> <ul style="list-style-type: none"> <li>Electronic systems and microcontrollers.</li> <li>CAD/CAM</li> <li>3D Printing</li> <li>Marketing &amp; Packaging.</li> </ul>	<p><b>'Teen Crib' Project:</b></p> <p>Developing a range of graphical design techniques to link customer needs with a quality outcome.</p>	<p>Developing Skills &amp; Knowledge in Health and Nutrition.</p> <p>Advertising, Packaging &amp; Labelling.</p> <p>British &amp; International Cuisine</p> <p>Practical Activities including Food Science</p>	<p>Investigating Smart and Modern Fabrics.</p> <p>Decorative Fabric Design using Transfer Printing.</p>

		<p>Design and make a RSPB approved bird house.</p> <ul style="list-style-type: none"><li>• Working with Timber</li><li>• Sustainability and the environment</li><li>• Jointing and finishing techniques</li></ul>			Investigations.	
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