



<b>D&amp;T Skills and knowledge</b> Expected by the End of Lower Key Stage 2 (Year 4)	
<b>Materials</b>	<b>Cooking and Nutrition</b>
<ul style="list-style-type: none"> <li>• Cut materials accurately and safely by selecting appropriate tools.</li> <li>• Measure and mark out to the nearest millimetre.</li> <li>• Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs).</li> <li>• Select appropriate joining techniques/ resources.</li> </ul> Cross-curricular links with forest school.	<ul style="list-style-type: none"> <li>• Know how can we prepare ingredients hygienically               <ul style="list-style-type: none"> <li>• Know how to choose appropriate utensils for food preparation</li> </ul> </li> <li>• Measure ingredients to the nearest gram accurately.</li> <li>• Follow a recipe.</li> <li>• Assemble or cook using healthy ingredients               <ul style="list-style-type: none"> <li>• Know how to control the temperature of the oven or hob, if cooking</li> </ul> </li> </ul>
<b>Textiles</b>	<b>Design, Make Evaluate</b>
<ul style="list-style-type: none"> <li>• Understand the need for a seam allowance.               <ul style="list-style-type: none"> <li>• Select the appropriate needle and thread</li> </ul> </li> <li>• Join textiles with appropriate stitching.</li> <li>• Select the most appropriate techniques to decorate textiles.</li> </ul>	<ul style="list-style-type: none"> <li>• Design with purpose by identifying opportunities to design.</li> <li>• Make products by working efficiently (such as by carefully selecting materials).</li> <li>• Refine work and techniques as work progresses, continually evaluating the product design.</li> <li>• Use software to design and represent product designs</li> </ul>
<b>Electrics, Electronics and Computing</b>	<b>Constructions and Mechanics</b>
Create series and parallel circuits. <ul style="list-style-type: none"> <li>• Control and monitor models using software designed for this purpose.</li> </ul>	<ul style="list-style-type: none"> <li>• Choose suitable techniques to construct products or to repair items.</li> <li>• know how to strengthen materials using suitable techniques.</li> </ul>
<b>Take inspiration from Design throughout history</b>	
<ul style="list-style-type: none"> <li>• Identify some of the great designers (such as Brunel, Mackintosh, Philip Treacy, Marcel Breuer) in all of the areas of study (including pioneers in horticultural techniques) to generate ideas for designs.</li> <li>• Improve upon existing designs, giving reasons for choices.</li> <li>• Disassemble products to understand how they work.</li> </ul>	



# Warren Wood

