

Pupils not meeting the minimum expected requirements	<h2 style="margin: 0;">Expected requirements Milestone 2</h2> <h3 style="margin: 0;">(Expected standard Year 3 and Year 4)</h3>	Pupils exceeding the minimum expected requirements							
	<p><b><i>To master practical skills</i></b></p> <p><b>Food:</b> Prepare ingredients hygienically using appropriate utensils. Measure ingredients to the nearest gram accurately. Follow a recipe. Assemble or cook ingredients.</p> <p><b>Materials:</b> Cut materials accurately and safely by selecting appropriate tools. Measure and mark out to the nearest millimetre. Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs). Select joining techniques.</p> <p><b>Textiles:</b> Understand the need for a seam allowance. Join textiles with appropriate stitching. Select the most appropriate techniques to decorate textiles.</p> <p><b>Electricals and electronics:</b> Create series and parallel circuits</p> <p><b>Computing:</b> Control and monitor models using software designed for this purpose.</p> <p><b>Construction:</b> Choose suitable techniques to construct products or to repair items. Strengthen materials using suitable techniques.</p> <p><b>Mechanics:</b> Use scientific knowledge of the transference of forces to choose appropriate mechanisms for a product (such as levers, gears winding mechanisms and pulleys.)</p> <p><b><i>To design, make, evaluate and improve</i></b></p> <table border="1" data-bbox="283 954 1770 1060"> <tr> <td data-bbox="283 954 667 1060">Design with purpose by identifying opportunities to design.</td> <td data-bbox="667 954 940 1060">Make products by working efficiently.</td> <td data-bbox="940 954 1402 1060">Refine work and techniques continually evaluate the product design.</td> <td data-bbox="1402 954 1770 1060">Use software to design and represent product design.</td> </tr> </table> <p><b><i>To take inspiration from design throughout history</i></b></p> <table border="1" data-bbox="283 1130 1770 1235"> <tr> <td data-bbox="283 1130 884 1235">Identify some of the great designers in all of the areas of study to generate ideas for designs.</td> <td data-bbox="884 1130 1318 1235">Improve upon existing designs, giving reasons for choices.</td> <td data-bbox="1318 1130 1770 1235">Disassemble products to understand how they work.</td> </tr> </table>	Design with purpose by identifying opportunities to design.	Make products by working efficiently.	Refine work and techniques continually evaluate the product design.	Use software to design and represent product design.	Identify some of the great designers in all of the areas of study to generate ideas for designs.	Improve upon existing designs, giving reasons for choices.	Disassemble products to understand how they work.	
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