



## Design Technology Skills Progression

### Design Technology Curriculum Aims & Rationale



### Design Technology Skills Progression

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design Inspiration	▪	▪	▪ Explore objects to identify how they have been created	▪	▪	▪	▪ Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose. ▪ ▪

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Food	▪	▪	▪ Handle ingredients safely and hygienically ▪ Measure or weigh using measuring cups	▪ Prepare ingredients hygienically using appropriate utensils. ▪ Measure ingredients to the nearest gram		▪	▪



			<p>or electronic scales</p> <ul style="list-style-type: none"> <li>Assemble or cook ingredients.</li> </ul>	<p>accurately.</p> <ul style="list-style-type: none"> <li>Follow a recipe</li> <li>Assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking)</li> </ul>		
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	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Textiles</b>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Shape textiles using templates.</li> </ul>	<ul style="list-style-type: none"> <li>Colour and decorate textiles using a number of techniques (such as dyeing, adding sequins or printing).</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Create objects (such as a cushion) that employ a seam allowance.</li> <li>Join textiles with a combination of stitching techniques (such as back stitch for seams and running stitch to attach decoration).</li> <li>Use the qualities of materials to create suitable visual and tactile effects in the decoration of textiles (such as a soft decoration for comfort on a cushion).</li> </ul>
<b>Materials, construction and mechanics</b>	<ul style="list-style-type: none"> <li>Uses various construction materials.</li> <li>Beginning to construct, stacking blocks vertically and horizontally, making enclosures and</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Cut materials safely using tools provided.</li> <li>Measure and mark out to the nearest centimetre.</li> <li>Demonstrate a range of joining</li> </ul>	<ul style="list-style-type: none"> <li>To make a product using mechanical components</li> <li>Measure and mark out using units of measure</li> <li>Use scientific knowledge of forces</li> </ul>	<ul style="list-style-type: none"> <li>Cut materials accurately</li> <li>Measure and mark out using units of measure</li> <li>Use appropriate cutting techniques</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Know how to reinforce and strengthen a 3D framework.</li> <li></li> </ul>



	<p>creating spaces.</p> <ul style="list-style-type: none"> <li>Joins construction pieces together to build and balance.</li> <li>Realises tools can be used for a purpose.</li> </ul>		<p>techniques (such as gluing, hammering, hinges or combining materials to strengthen)</p>	<p>to choose appropriate mechanisms for a product (such as levers, winding mechanisms, pulleys and gears)</p>	<ul style="list-style-type: none"> <li>Use appropriate joining techniques</li> </ul>		
<b>Electricals and Electronics</b>		<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Create series and parallel circuits</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<b>Computing</b>		<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<b>Communicating technologically</b>		<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Design a product with a clear purpose (Biscuit making)</li> <li>Refine designs as work progresses.</li> <li>Evaluate their products against design criteria.</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> </ul>	<ul style="list-style-type: none"> <li>Design with purpose by identifying opportunities to design.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Plan the order of their work, choosing appropriate materials, tools and techniques.</li> <li>Identify the strengths and areas for development in their ideas and products</li> <li>Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests.</li> </ul>