



## Design and Technology Progression of Skills

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Cooking and Nutrition</b>	<p>Talks about places around the world where food is grown.</p> <p>Knows where some food comes from.</p>	<ul style="list-style-type: none"> <li>o Say where some food comes from and give examples of food that is grown</li> </ul>	<ul style="list-style-type: none"> <li>o Understand that all food has to be farmed, grown or caught</li> </ul>	<ul style="list-style-type: none"> <li>o Use a wider variety of ingredients and techniques to prepare and combine ingredients safely</li> </ul>	<ul style="list-style-type: none"> <li>o Understand what makes a healthy and balanced diet, and that different foods and drinks provide things the body needs to be healthy and active</li> <li>o Read and follow recipes which involve several processes, skills and techniques</li> </ul>	<ul style="list-style-type: none"> <li>o Understand how a variety of ingredients are grown, reared, caught and processed to make them safe and palatable / tasty to eat</li> </ul>	<ul style="list-style-type: none"> <li>o Research, plan and prepare and cook a savoury dish, applying his/her knowledge of ingredients and his/her technical skills</li> <li>o Use information on food labels to inform choices</li> </ul>
<b>Processes</b>	<p>Safely use and explore a variety of materials, tools and techniques</p> <p>Explains their processes</p> <p>Makes use of props and materials when role playing</p>	<ul style="list-style-type: none"> <li>o Use a range of simple tools to cut, join and combine materials and components safely</li> <li>o Select from and use a range of tools and equipment to perform practical tasks e.g. cutting,</li> </ul>	<ul style="list-style-type: none"> <li>o Choose tools to use and select materials based on my knowledge of their properties</li> <li>o Safely measure, mark out, cut and shape materials and components using a range of tools</li> <li>o Evaluate and assess existing</li> </ul>	<ul style="list-style-type: none"> <li>o Safely measure, mark out, cut, assemble and join with some accuracy</li> <li>o Make suitable choices from a wider range of tools and unfamiliar materials and plan out the main stages of using</li> </ul>	<ul style="list-style-type: none"> <li>o Use knowledge of existing products to design a functional and appealing product for a particular purpose and audience</li> <li>o Evaluate how existing products and own finished products might be improved and</li> </ul>	<ul style="list-style-type: none"> <li>o Use research into existing products and my market research to inform the design of my own innovative product</li> <li>o Create prototypes to show my ideas</li> <li>o Make careful and precise measurements so</li> </ul>	<ul style="list-style-type: none"> <li>o Use my own research into existing products to inform the design of his/her own innovative products</li> <li>o Generate, develop, model and communicate his/her ideas through discussion, annotated</li> </ul>



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	<p>Experiments with folding paper</p>	<p>shaping, joining and finishing</p> <ul style="list-style-type: none"> <li>o Ask simple questions about existing products and those that he/she has made</li> </ul>	<p>products and those made using a design criteria</p> <ul style="list-style-type: none"> <li>o Investigate different techniques for stiffening a variety of materials and explore different methods of enabling structures to remain stable</li> </ul>	<p>them</p> <ul style="list-style-type: none"> <li>o Investigate and analyse existing products and those made, considering a wide range of factors</li> <li>o Create designs using annotated sketches, cross-sectional diagrams and simple computer programmes</li> </ul>	<p>how well they meet the needs of the intended user</p> <ul style="list-style-type: none"> <li>o Apply understanding of how to strengthen structures</li> </ul>	<p>that joins, holes and openings are in exactly the right place</p> <ul style="list-style-type: none"> <li>o Make detailed evaluations about existing products and my own considering the views of others to improve my work</li> </ul>	<p>sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <ul style="list-style-type: none"> <li>o Apply his/her knowledge of materials and techniques to refine and rework his/her product to improve its functional properties and aesthetic qualities</li> <li>o Use a wide range of methods to strengthen, stiffen and reinforce complex structures and can use them accurately and appropriately</li> </ul>
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*To excel, to value, to enjoy, together*

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