

## Design Technology sills progression document

<u>Year Group</u>	<u>Design</u>	<u>Make</u>	<u>Evaluate</u>	<u>Technical Knowledge</u>	<u>Cooking and Nutrition</u>
<b><u>Reception</u></b>	Create collaboratively, sharing ideas, resources and skills	Safely use and explore a variety of materials, tools and techniques, experimenting with design, texture, form and function	Return to and build on their previous learning, refining ideas and developing their ability to represent them	Share their creations, explaining the process they have used	
<b><u>Year 1</u></b>	<p>Explore a range of existing products</p> <p>Show some awareness of the purpose of their product</p> <p>Create a simple design for a product for a particular purpose or user</p> <p>Discuss their design for their product</p>	<p>Follow a simple design</p> <p>Use appropriate tools, materials and techniques</p> <p>Perform practical tasks, including cutting and joining with help</p> <p>Create a product based on their designs</p> <p>Follow safety rules and use equipment correctly</p>	<p>Discuss strengths and weaknesses of a product</p> <p>Discuss, with support, whether their product has met the design criteria</p>	<p>Explore building structures that are strong and stable</p> <p>Use simple mechanisms in their product</p>	<p>With help, follow a simple recipe</p> <p>Use some of the basic principles to prepare dishes</p> <p>Show some understanding of where the food they are using comes from</p>

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<p><b><u>Year 2</u></b></p>	<p>Explore and evaluate a range of existing products</p> <p>Know the purpose of their product</p> <p>Design a product for a particular purpose or user</p> <p>Communicate a design for their product</p>	<p>Follow a simple design</p> <p>Select and use appropriate tools, materials and techniques</p> <p>Perform practical tasks, including cutting and joining</p> <p>Create a product based on their designs</p> <p>Follow safety rules and use equipment correctly</p>	<p>Identify strengths and weaknesses of a product</p> <p>Discuss whether their product has met the design criteria</p>	<p>Build structures that are strong and stable</p> <p>Use mechanisms in their product</p>	<p>Follow a simple recipe</p> <p>Use the basic principles to prepare dishes</p> <p>Show an understanding of where the food they are using comes from</p>
<p><b><u>Year 3</u></b></p>	<p>Identify how existing products are fit for purpose</p> <p>Know the purpose of their product</p>	<p>Follow their own design</p> <p>Select and use appropriate tools, materials and techniques</p>	<p>Begin to evaluate their ideas and products against their own design criteria</p> <p>With guidance, discuss whether their</p>	<p>Build more complex structures, thinking about making them strong and stable</p> <p>Show some understanding of and use mechanisms in their product</p>	<p>Prepare and cook healthy dishes, with help where required</p> <p>Understand some of the principles of a healthy varied diet</p> <p>Show some understanding of</p>

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	<p>Design a product for a particular purpose or user</p> <p>Generate and communicate my design ideas.</p>	<p>Perform practical tasks, including cutting and joining, with greater precision</p> <p>Create a product that reflects their original design</p> <p>Follow safety rules and use a wider range of equipment correctly</p>	<p>product has met the design criteria</p>		<p>seasonality and where a range of food comes from</p>
<b><u>Year 4</u></b>	<p>Identify the design features of existing products and how they are fit for purpose</p> <p>Know the purpose of their product</p> <p>Design a product for a particular purpose or user</p> <p>Generate and communicate my</p>	<p>Follow their own design accurately</p> <p>Select and use appropriate tools, materials and techniques, explaining their choices</p> <p>Perform practical tasks, including cutting and joining, with greater precision</p>	<p>Evaluate their ideas and products against their own design criteria</p> <p>Discuss whether their product has met the design criteria</p>	<p>Build more complex structures that are strong and stable</p> <p>Understand and use mechanisms in their product</p>	<p>Prepare and cook healthy dishes</p> <p>Understand the principles of a healthy varied diet</p> <p>Show an understanding of seasonality and where a range of food comes from</p>

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	design ideas in a variety of ways	Create a product that reflects their original design  Follow safety rules and use a wider range of equipment correctly			
<b><u>Year 5</u></b>	Use their knowledge of a range of existing products to help generate their ideas for the intended purpose or user  Design functional and appealing products  Generate, communicate and develop my design ideas in a variety of ways	Select and use a wider range of appropriate materials and techniques with precision and accuracy,  Create a product that reflects their original design with adaptations, if needed  Follow safety rules and identify potential dangers when using a wider range of equipment correctly	Evaluate their ideas and products against their own design criteria taking into account the views of others  Discuss whether their product has met the design criteria  Discuss how key events or individuals have influenced some designs, inventions and products that have helped shape the world	Apply their knowledge to strengthen, stiffen and reinforce structures  Understand and use a wider range of mechanisms in their product  Understand and use electrical systems in their products  Apply their understanding of computing to program and control products	Prepare and cook healthy dishes  Use a range of cooking techniques when creating dishes  With help, apply the principles of a healthy and varied diet to the dishes they create  Know the source of some of the ingredients they use

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<p><b><u>Year 6</u></b></p>	<p>Use their knowledge of a broad range of innovative, functional and appealing existing products to help generate their ideas for the intended purpose or user</p> <p>Design innovative, functional and appealing products</p> <p>Generate, communicate, develop and justify my design ideas in a variety of ways</p>	<p>Select and use a wider range of appropriate materials and techniques with precision and accuracy, taking into account functional properties and aesthetic qualities</p> <p>Create a product that reflects their original design with adaptations, if needed</p> <p>Follow safety rules and identify potential dangers when using a wider range of equipment correctly</p>	<p>Evaluate their ideas and products against their own design criteria taking into account the views of others in order to improve their work</p> <p>Discuss whether their product has met the design criteria</p> <p>Discuss how key events or individuals have influenced some designs, inventions and products that have helped shape the world</p>	<p>Apply their knowledge to strengthen, stiffen and reinforce complex structures</p> <p>Understand and use a wider range of mechanisms in their product and justify choices</p> <p>Understand and use electrical systems in their products</p> <p>Apply their understanding of computing to program, monitor and control products</p>	<p>Prepare and cook a range of healthy dishes</p> <p>Use a range of cooking techniques when creating dishes</p> <p>Apply the principles of a healthy and varied diet to the dishes they create</p> <p>Know the source of a variety of ingredients</p>