



# Design and Technology Skills Progression EYFS-Year 6

	Foundation	Key Stage 1	Key Stage 2
Design	Talk about what they want to make	<p>Design purposeful, functional, appealing products based on design criteria.</p> <p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and ICT and, where appropriate, information and communication technology.</p>	<p>Use research and develop criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>Generate, develop, model and communicate ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.</p>
Make	<p>Use a variety of tools and materials to make models.</p> <p>Constructs with a purpose in mind, using a variety of resources.</p> <p>Selects appropriate resources and adapts work where necessary.</p>	<p>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles, ingredients according to their characteristics.</p>	<p>Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.</p>
Evaluate	Be excited about what they have made	<p>Explore and evaluate a range of existing products</p> <p>Evaluate ideas and products against design criteria</p>	Investigate and analyse a range of existing products



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			<p>Evaluate ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>Understand how key events and individuals have helped shape the world.</p>
<b>Cooking and Nutrition</b>	Use a knife and fork correctly	<p>Use the basic principles of a healthy and varied diet to prepare dishes</p> <p>Understand where food comes from</p>	<p>Understand and apply the principles of a healthy and varied diet</p> <p>Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p> <p>Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.</p>
<b>Technical Knowledge</b>		<p>Build structures, exploring how they can be made stronger, stiffer and more stable</p> <p>Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</p>	<p>Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</p> <p>Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</p> <p>Apply their understanding of computing to program, monitor and control their products.</p>