



Design and Technology

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design	<p>1.1 Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>1.2 Generate, develop, model and communicate their ideas through talking, drawing, templates.</p>	<p>1.1 Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>1.2 Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p>	<p>1.1 Use research and develop design criteria to inform the design of innovative and appealing products. (Nutrition)</p> <p>1.2 Generate, develop and communicate their ideas through exploring taste texture and smell.</p>	<p>1.1 Use research and develop design criteria to inform the design of functional, products that are fit for purpose, aimed at particular individuals or groups</p> <p>1.2 Generate, develop, model and communicate their ideas through discussion, annotated sketches, pattern pieces</p>	<p>1.1 Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>1.2 Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design (Iron on design paper)</p>	<p>1.1 Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>1.2 Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces</p>



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Make	2.1 Select from and use a range of tools and equipment to perform practical tasks: cutting with scissors, shaping using given templates, joining using glue and sticky tape and finishing using paints.	2.1 Select from and use a range of tools and equipment to perform practical tasks: cutting with scissors and saws, shaping using given templates, joining using glue and cardboard joints, and finishing using paints.		2.1 Select from and use a wider range of tools and equipment to perform practical tasks accurately: cutting corrugated cardboard with craft knives; shaping by measuring parts; joining using glue and a range of cardboard joints; finishing using paint.	2.1 Select from and use a wider range of tools and equipment to perform practical tasks accurately: cutting using textile scissors and rotary blades; shaping using textile templates, joining with sewing; finishing with computer-aided printing.	2.1 Select from and use a wider range of tools and equipment to perform practical tasks accurately: cutting using scissors, craft knives, scoring, sawing; shaping using measuring to create templates; joining using a range of strategies: cardboard and wood and finishing to waterproof.
	2.2 Select from and use a wide range of materials and components, including construction materials (cardboard and paper), textiles according to their characteristics	2.2 Select from and use a wide range of materials and components, including construction materials (wood, cardboard and paper), according to their characteristics		2.2 Select from and use a wider range of materials and components, including construction materials according to their functional properties.	2.2 Select from and use a wider range of materials and components, including textiles according to their functional properties and aesthetic qualities.	2.2 Select from and use a wider range of materials and components, including construction materials according to their functional properties and aesthetic qualities.



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Evaluate	<p>3.1 Explore and evaluate a range of existing products</p> <p>3.2 Evaluate their ideas and products against design criteria</p>	<p>3.1 Explore and evaluate a range of existing products</p> <p>3.2 Evaluate their ideas and products against design criteria</p>	<p>3.1 Investigate and analyse a range of existing products</p> <p>3.2 Evaluate their ideas and products against their own design criteria</p>	<p>3.1 Investigate and analyse a range of existing products</p> <p>3.2 Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>3.3 Understand how key events and individuals in design and technology have helped shape the world</p>	<p>3.1 Investigate and analyse a range of existing products</p> <p>3.2 Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>3.3 Understand how key events and individuals in design and technology have helped shape the world</p>	<p>3.1 Investigate and analyse a range of existing products</p> <p>3.2 Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>3.3 Understand how key events and individuals in design and technology have helped shape the world</p>
Technical Knowledge	<p>4.1 Build structures, exploring how they can be made stronger, stiffer and more stable</p>	<p>4.2 Explore and use mechanisms [wheels and axles] in their products</p>		<p>4.1 Apply their understanding of how to strengthen, stiffen and reinforce structures</p> <p>4.3 Understand and use electrical systems in their products - series circuits incorporating switches, bulbs, motors.</p>	<p>4.1 Apply their understanding of how to strengthen, and reinforce material joins</p>	<p>4.1 Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>4.2 Understand and use mechanical systems in their products: gears and pulleys.</p>



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Nutrition	2.1 Select ingredients according to their characteristics		2.1 Select ingredients according to their functional properties and aesthetic qualities		2.1 Select ingredients according to their functional properties and aesthetic qualities	
	5.1 Use the basic principles of a healthy and varied diet to prepare dishes		5.1 Understand and apply the principles of a healthy and varied diet		5.1 Understand and apply the principles of a healthy and varied diet	
	5.2 Understand where food comes from.		5.2 Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques		5.2 Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	
			5.3 Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed			