



Design and Technology

	<u>Design and Technology</u>	
	<u>Key Stage 1</u> Children in Year 1 and Year 2 are working towards the following end of Key Stage expectations in Design and Technology:	<u>Key Stage 2</u> Children in Year 3-6 are working towards the following end of Key Stage expectations in Design and Technology:
Design	<p>To design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>To generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p>	<p>To 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>To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p>
Make	<p>To select from and use a range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing</p> <p>To select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	<p>To select from and use a wider range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing, accurately</p> <p>To 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	<p>To explore and evaluate a range of existing products</p> <p>To evaluate their ideas and products against design criteria</p>	<p>To investigate and analyse a range of existing products</p> <p>To evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>To understand how key events and individuals in design and technology have helped shape the world</p>
Technical Knowledge	<p>To build structures, exploring how they can be made stronger, stiffer and more stable</p> <p>To explore and use mechanisms e.g. levers, sliders, wheels and axles in their products.</p>	<p>To apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>To understand and use mechanical systems in their products e.g. gears, pulleys, cams, levers and linkages</p> <p>To understand and use electrical systems in their products e.g. series circuits incorporating switches, bulbs, buzzers and motors</p> <p>To apply their understanding of computing to program, monitor and control their products.</p>



Cooking and Nutrition	
<u>Key Stage 1</u> Children in Year 1 and Year 2 are working towards the following end of Key Stage expectations in Cooking and Nutrition:	<u>Key Stage 2</u> Children in Year 3-6 are working towards the following end of Key Stage expectations in Cooking and Nutrition:
To use the basic principles of a healthy and varied diet to prepare dishes To understand where food comes from.	To understand and apply the principles of a healthy and varied diet To prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques To understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.