

# DT Curriculum

## Key Stage 1

DT focus	Objectives
Design	<ul style="list-style-type: none"><li>• design purposeful, functional, appealing products for themselves and other users based on design criteria</li><li>• generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</li></ul>
Make	<ul style="list-style-type: none"><li>• select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li><li>• select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</li></ul>
Evaluate	<ul style="list-style-type: none"><li>• explore and evaluate a range of existing products</li><li>• evaluate their ideas and products against design criteria</li></ul>
Technical Knowledge	<ul style="list-style-type: none"><li>• build structures, exploring how they can be made stronger, stiffer and more stable</li><li>• explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products</li></ul>
Cooking and Nutrition	<ul style="list-style-type: none"><li>• use the basic principles of a healthy and varied diet to prepare dishes</li><li>• understand where food comes from</li></ul>

## DT Curriculum

### Lower Key Stage 2

DT focus	Objectives
Design	<ul style="list-style-type: none"><li>• 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</li><li>• generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</li></ul>
Make	<ul style="list-style-type: none"><li>• select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately</li><li>• 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</li></ul>
Evaluate	<ul style="list-style-type: none"><li>• investigate and analyse a range of existing products</li><li>• evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</li><li>• understand how key events and individuals in design and technology have helped shape the world</li></ul>
Technical Knowledge	<ul style="list-style-type: none"><li>• apply their understanding of how to strengthen, stiffen and reinforce more complex structures</li><li>• understand and use mechanical systems in their products, such as gears, pulleys, cams, levers and linkages</li><li>• understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors</li><li>• apply their understanding of computing to programme, monitor and control their products</li></ul>
Cooking	<ul style="list-style-type: none"><li>• understand and apply the principles of a healthy and varied diet</li></ul>

and Nutrition	<ul style="list-style-type: none"> <li>• prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</li> <li>• understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed</li> </ul>
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## DT Curriculum

### Upper Key Stage 2

DT focus	Objectives
Design	<ul style="list-style-type: none"> <li>• 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</li> <li>• generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</li> </ul>
Make	<ul style="list-style-type: none"> <li>• select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately</li> <li>• 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</li> </ul>
Evaluate	<ul style="list-style-type: none"> <li>• investigate and analyse a range of existing products</li> <li>• evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</li> <li>• understand how key events and individuals in design and technology have helped shape the world</li> </ul>
Technical Knowledge	<ul style="list-style-type: none"> <li>• apply their understanding of how to strengthen, stiffen and reinforce more complex structures</li> <li>• understand and use mechanical systems in their products, such as gears, pulleys, cams, levers and linkages</li> <li>• understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors</li> <li>• apply their understanding of computing to programme, monitor and control their products</li> </ul>

**Cooking  
and  
Nutrition**

- understand and apply the principles of a healthy and varied diet
- prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques
- understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed