

## D and T Assessment Statements

### Reception

<ul style="list-style-type: none"> <li>• I can safely use and explore a variety of materials, tools and techniques.</li> </ul>	
<ul style="list-style-type: none"> <li>• I can experiment with colour, design, texture, form and function.</li> </ul>	
<ul style="list-style-type: none"> <li>• I can share my creations, explaining the process I have used.</li> </ul>	

### Year 1 - I am beginning to...

<b>Design</b> <ul style="list-style-type: none"> <li>• communicate my ideas through talking and drawing</li> <li>• design purposeful, functional, appealing products.</li> </ul>	
<b>Make</b> <ul style="list-style-type: none"> <li>• select from and use a range of tools and equipment to perform practical tasks [e.g. cutting, joining and finishing]</li> <li>• select from and use a range of materials [including construction materials and ingredients].</li> </ul>	
<b>Evaluate</b> <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>	
<b>Technical Knowledge</b> <ul style="list-style-type: none"> <li>• build structures, exploring how they can be made stronger and more stable</li> <li>• explore and use mechanisms [e.g. sliders] in their products.</li> </ul>	
<b>Cooking and Nutrition</b> <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>	

Year 2 - I can ...

<p><b>Design</b></p> <ul style="list-style-type: none"><li>• design purposeful, functional products for themselves and other users based on design criteria generate, develop, model and communicate their ideas through talking, drawing and creating templates and mock-ups</li></ul>	
<p><b>Make</b></p> <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>	
<p><b>Evaluate</b></p> <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>	
<p><b>Technical Knowledge</b></p> <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>	
<p><b>Cooking and Nutrition - Scones</b></p> <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>	

Year 3 - I am beginning to ...

<p>Design</p> <ul style="list-style-type: none"><li>• use criteria to design 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 and prototypes.</li></ul>	
<p>Make</p> <ul style="list-style-type: none"><li>• select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</li><li>• select from and use a wider range of materials and components, including levers, linkages and ingredients, according to their functional properties and aesthetic qualities.</li></ul>	
<p>Evaluate</p> <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></ul>	
<p>Technical Knowledge</p> <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 [for example, levers and linkages]</li></ul>	
<p>Nutrition - Healthy Sandwiches</p> <ul style="list-style-type: none"><li>• understand and apply the principles of a healthy and varied diet</li><li>• prepare and combine a variety of predominantly savoury dishes using a range of preparation techniques</li><li>• understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</li></ul>	

Year 4 - I am developing my ability to ...

<p>Design</p> <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, prototypes, pattern pieces.</li></ul>	
<p>Make</p> <ul style="list-style-type: none"><li>● select from and use a wider range of tools and equipment to perform practical tasks [for example, 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>	
<p>Evaluate</p> <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></ul>	
<p>Technical Knowledge</p> <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 electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</li><li>● apply their understanding of computing to program, monitor and control their products</li></ul>	
<p>Cooking and Nutrition</p> <ul style="list-style-type: none"><li>● understand and apply the principles of a healthy and varied diet</li><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>	

Year 5 - I am improving my ability to ...

<p><b>Design</b></p> <ul style="list-style-type: none"> <li>• use criteria to design 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 and exploded diagrams, prototypes and computer-aided design.</li> </ul>	
<p><b>Make</b></p> <ul style="list-style-type: none"> <li>• select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</li> <li>• select from and use a wider range of materials and components, including construction materials and ingredients, according to their functional properties and aesthetic qualities.</li> </ul>	
<p><b>Evaluate</b></p> <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 e.g., Fazlur Rahman Khan.</li> </ul>	
<p><b>Technical Knowledge</b></p> <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 [for example, cams]</li> <li>• apply their understanding of computing to program, monitor and control their products</li> </ul>	
<p><b>Cooking and Nutrition - Potato Cakes</b></p> <ul style="list-style-type: none"> <li>• understand and apply the principles of a healthy and varied diet</li> <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>	

Year 6 - I am successfully able to ...

<p><b>Design</b></p> <ul style="list-style-type: none"><li>● use criteria to design 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 and exploded diagrams, prototypes, pattern pieces and computer-aided design.</li></ul>	
<p><b>Make</b></p> <ul style="list-style-type: none"><li>● select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</li><li>● select from and use a wider range of materials and components, including construction materials and textiles, according to their functional properties and aesthetic qualities.</li></ul>	
<p><b>Evaluate</b></p> <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></ul>	
<p><b>Technical Knowledge</b></p> <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 [for example, gears and pulleys]</li><li>● understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</li><li>● apply their understanding of computing to program, monitor and control their products</li></ul>	