



## D&T Curriculum 2016-17

<b>Autumn Term</b>	
<b>Year group</b>	<b>Topics and Key Learning Points</b>
Year 7	<p><b>Product Design:</b> Hanging mirror project which focuses on building workshop skills using tools and equipment. Students design and make a mirror for their own bedrooms.</p> <p><b>Textiles:</b> Sock Monkey project which introduces students to basic hand sewing techniques and the safe working of sewing machines.</p> <p><b>Food:</b> Life Cooking Skills project focussing on key skills and safe working practices in the school kitchen. The majority of dishes made will be savoury.</p>
Year 8	<p><b>Product Design:</b> Trinket box project relies upon a more advanced skills and a broader range of equipment. The focus is on accuracy and independent planning skills.</p> <p><b>Textiles:</b> Kite project which focusses on the quality manufacture using modern textiles. Students must test their kite to meet industrial standards and to see if they will fly!</p> <p><b>Food:</b> Function and Ingredients project has been designed to allow students to develop basic recipes and their own designs to suit a specific client tastes.</p>
Year 9	<p><b>Product Design:</b> The Cam Toy Project will ask students to independently plan and manufacture a toy which must include mechanisms. Emphasis is on quality, their ability to perform quality testing and subsequently come up with solutions to issues they may face.</p> <p><b>Textiles:</b> The Clever Little Bag project focusses on sustainable design solutions. Students will learn of modern materials and production methods which allows their bag to be a greener solution.</p> <p><b>Food:</b> Mastery of Pasta will allow students to become a pasta chef in the school kitchen. Once the basics have been mastered students then make a range of pasta recipes culminating in a ravioli assessment to test all of their skills.</p>
Year 10	<p><b>GCSE Product Design/GCSE Food/GCSE Graphics:</b> Introduction to final project worth 60% of the final grade. - Lessons will focus on investigating the design problem and using an array of research methods to come to a clear and specific understanding of what they are being asked to do.</p>
Year 11	<p><b>GCSE Product Design/GCSE Food/GCSE Graphics:</b> Development of design ideas. - Lessons focussing on the development of design ideas from their initial ideas. Experimenting practically to establish a final design idea to make.</p>
<b>Spring Term</b>	
<b>Year group</b>	<b>Topics and Key Learning Points</b>
Year 7	<p><b>Product Design:</b></p>

	<p>Hanging mirror project which focuses on building workshop skills using tools and equipment. Students design and make a mirror for their own bedrooms.</p> <p><b>Textiles:</b> Sock Monkey project which introduces students to basic hand sewing techniques and the safe working of sewing machines.</p> <p><b>Food:</b> Life Cooking Skills project focussing on key skills and safe working practices in the school kitchen. The majority of dishes made will be savoury.</p>
Year 8	<p><b>Product Design:</b> Trinket box project relies upon a more advanced skills and a broader range of equipment. The focus is on accuracy and independent planning skills.</p> <p><b>Textiles:</b> Confectionary Cushion project asks students to design and make; with greater emphasis on decoration using a variety of techniques.</p> <p><b>Food:</b> Function and Ingredients project has been designed to allow students to develop basic recipes and their own designs to suit a specific client tastes.</p>
Year 9	<p><b>Product Design:</b> The Cam Toy Project will ask students to independently plan and manufacture a toy which must include mechanisms. Emphasis is on quality, their ability to perform quality testing and subsequently come up with solutions to issues they may face.</p> <p><b>Textiles:</b> The Clever Little Bag project focusses on sustainable design solutions. Students will learn of modern materials and production methods which allows their bag to be a greener solution.</p> <p><b>Food:</b> Mastery of Pasta will allow students to become a pasta chef in the school kitchen. Once the basics have been mastered students then make a range of pasta recipes culminating in a ravioli assessment to test all of their skills.</p>
Year 10	<p><b>GCSE Product Design/GCSE Food/GCSE Graphics:</b> Continuing to investigate the design problem - Lessons will focus on investigating the design problem and using an array of research methods to come to a clear and specific understanding of what they are being asked to do.</p>
Year 11	<p><b>GCSE Product Design/GCSE Food/GCSE Graphics:</b> Manufacturing of products. - Students will be making their final design ideas. Lessons will be mainly practical but with a strong emphasis on safe working practices, quality assurance and independent planning.</p>
<b>Summer Term</b>	
<b>Year group</b>	<b>Topics and Key Learning Points</b>
Year 7	<p><b>Product Design:</b> Hanging mirror project which focuses on building workshop skills using tools and equipment. Students design and make a mirror for their own bedrooms.</p> <p><b>Textiles:</b> Sock Monkey project which introduces students to basic hand sewing techniques and the safe working of sewing machines.</p> <p><b>Food:</b> Life Cooking Skills project focussing on key skills and safe working practices in the school kitchen. The majority of dishes made will be savoury.</p>
Year 8	<p><b>Product Design:</b></p>

	<p>Trinket box project relies upon a more advanced skills and a broader range of equipment. The focus is on accuracy and independent planning skills.</p> <p><b>Textiles:</b> Confectionary Cushion project asks students to design and make; with greater emphasis on decoration using a variety of techniques.</p> <p><b>Food:</b> Function and Ingredients project has been designed to allow students to develop basic recipes and their own designs to suit a specific client tastes.</p>
Year 9	<p><b>Product Design:</b> The Cam Toy Project will ask students to independently plan and manufacture a toy which must include mechanisms. Emphasis is on quality, their ability to perform quality testing and subsequently come up with solutions to issues they may face.</p> <p><b>Textiles:</b> The Clever Little Bag project focusses on sustainable design solutions. Students will learn of modern materials and production methods which allows their bag to be a greener solution.</p> <p><b>Food:</b> Mastery of Pasta will allow students to become a pasta chef in the school kitchen. Once the basics have been mastered students then make a range of pasta recipes culminating in a ravioli assessment to test all of their skills.</p>
Year 10	<p><b>GCSE Product Design/GCSE Food/GCSE Graphics:</b> Initial design ideas.</p> <ul style="list-style-type: none"> <li>- Students will need to get creative to create several realistic designs for their design problem. This will include testing ideas practically and evaluating their success based on client feedback.</li> </ul>
Year 11	<p><b>GCSE Product Design/GCSE Food/GCSE Graphics:</b> Testing and Evaluation.</p> <ul style="list-style-type: none"> <li>- Students must be critical of their final designs and suggest ways for further improvement.</li> </ul> <p>Exam revision focus.</p> <ul style="list-style-type: none"> <li>- Structured lessons focussing on key questioning areas.</li> </ul>