

D&T is taught in blocks during enterprise week. Each class choose a product to design, make and evaluate.

	Autumn 1	Autumn 2	Summer 1	Summer 2
3	<p><u>Enterprise- Christmas Fayre</u></p> <p><u>Design, make, evaluate and improve</u></p> <ul style="list-style-type: none"> Investigate existing products, including drawing them to analyse and understand how they are made. Develop more than one design. Develop prototypes. Generate designs with annotated sketches and computer-aided design (CAD) where appropriate. Identify strengths and weaknesses of their design ideas. Talk about how closely their finished product meets their design criteria and meets the need of the user. <p><u>Textiles</u></p> <ul style="list-style-type: none"> Understand the need for a seam allowance. Join textiles with appropriate stitching. Select the most appropriate techniques to decorate textiles. <p><u>Materials</u></p> <ul style="list-style-type: none"> Measure and mark out accurately. <p><u>Cooking and nutrition</u></p> <ul style="list-style-type: none"> Know that a healthy diet is made up from a variety of different food and drink, as depicted in The Eatwell Plate. Follow a recipe. 		<p><u>Design, make, evaluate and improve</u></p> <ul style="list-style-type: none"> Plan a sequence of actions to make a product. <p>Design with purpose</p> <ul style="list-style-type: none"> Refine work and techniques as work progresses, continually evaluating the product design. <p><u>Materials</u></p> <ul style="list-style-type: none"> Cut materials accurately and safely by selecting appropriate tools. Cut slots. <p><u>Construction, mechanics and electronics</u></p> <ul style="list-style-type: none"> Create series circuits. Strengthen frames using diagonal struts. <p>Begin to repair items,</p> <ul style="list-style-type: none"> Begin to use mechanical systems in their products e.g. gears, pulleys and levers. <p><u>Cooking and nutrition</u></p> <ul style="list-style-type: none"> Cut materials accurately and safely by selecting appropriate tools. With support, measure and weigh ingredients appropriately. <p><u>To take inspiration from design throughout history</u></p> <ul style="list-style-type: none"> Disassemble products to understand how they work. Improve on existing designs, giving reasons for choices. Identify some of the great designers in different areas of study to generate ideas from their designs. 	
Enquiry / coverage in connected subject				



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Curriculum Map 2019-2020

	Maths-tally charts , bar charts Careers link		
	Vocabulary (tier 3)		

Curriculum Map 2019-2020

	Autumn 1	Autumn 2	Summer 1	Summer 2
4	<p><u>Enterprise- Christmas Fayre</u></p> <p><u>Design, make, evaluate and improve</u></p> <ul style="list-style-type: none"> Investigate existing products, including drawing them to analyse and understand how they are made. Plan a sequence of actions to make a product. <p>Design with purpose</p> <ul style="list-style-type: none"> Develop more than one design. Generate designs with annotated sketches and computer-aided design <p>Refine work and techniques as work progresses, continually evaluating the product design.</p> <ul style="list-style-type: none"> Identify strengths and weaknesses of their design ideas. Talk about how closely their finished product meets their design criteria and meets the need of the user. <p><u>Materials</u></p> <ul style="list-style-type: none"> Cut slots <p><u>Cooking and nutrition</u></p> <ul style="list-style-type: none"> Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs). Measure ingredients using scales. Prepare ingredients hygienically and using the appropriate utensils by following a recipe. <p><u>To take inspiration from design throughout history</u></p> <ul style="list-style-type: none"> Improve on existing designs, giving reasons for choices. 		<p><u>Design, make, evaluate and improve</u></p> <ul style="list-style-type: none"> Develop prototypes. Generate designs with annotated sketches and computer-aided design (CAD) where appropriate. <p><u>Textiles</u></p> <ul style="list-style-type: none"> Understand the need for a seam allowance. Join textiles with appropriate stitching. Select the most appropriate techniques to decorate textiles. <p><u>Materials</u></p> <ul style="list-style-type: none"> Measure and mark out to the nearest mm. Use and explore complex popups. Create nets <p><u>Construction, mechanics and electronics</u></p> <ul style="list-style-type: none"> Create series and parallel circuits. Investigate how to make structures more stable e.g. by widening the base or to repair items. Understand and use mechanical structures in their products e.g. gears, pulleys, levers and gears. <p><u>To take inspiration from design throughout history</u></p> <p>Disassemble products to understand how they work.</p> <ul style="list-style-type: none"> Identify some of the great designers in different areas of study to generate ideas from their designs. 	
	Enquiry / coverage in connected subject			
	<p>English- Letter writing to parents</p> <p>Maths-Measuring</p> <p>Market research- questionnaires</p> <p>Careers links.</p>			



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Curriculum Map 2019-2020

THE
NEW GUILD
TRUST

Key Vocabulary (tier 3)	



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Curriculum Map 2019-2020

	Autumn 1	Autumn 2	Summer 1	Summer 2	
5	<p><u>Enterprise- Christmas Fayre</u></p> <p><u>Design, make, evaluate and improve</u></p> <ul style="list-style-type: none"> • Undertake research to inform design process. This may include surveys and interviews. • Consider the views of others when evaluating their own work. • Ensure products have a high quality finish, using art skills where appropriate. • Justify their decisions about materials and methods of construction. • Make suggestions on how their design/product could be improved. <p><u>Cooking and nutrition</u></p> <ul style="list-style-type: none"> • Assemble or cook ingredients, controlling the temperature of the oven or hob if cooking. • Measure accurately using different equipment. • Create recipes, including ingredients, methods, cooking times and temperatures. • Understand the importance of correct storage and handling of ingredient (using knowledge of micro-organisms). 		<p><u>Design, make, evaluate and improve</u></p> <p>Use prototypes, cross-sectional diagrams, exploded diagrams and CAD software to represent designs.</p> <ul style="list-style-type: none"> • Design with the user in mind, motivated by the service a product will offer (rather than simply for profit). <p><u>Textiles</u></p> <ul style="list-style-type: none"> • Create objects (such as a cushion) that employ a seam allowance. • Join textiles with a combination of stitching techniques (such as back stitch for seams and running stitch to attach decoration). • Use the qualities of materials to create suitable visual and tactile effects in the decoration of textiles (such as a soft decoration for comfort on a cushion). <p><u>Materials</u></p> <ul style="list-style-type: none"> • Cut materials with precision. • Cut accurately and safely to a marked line. • Join/combine materials with temporary, fixed or moving joints. <p><u>Construction, mechanics and electronics</u></p> <ul style="list-style-type: none"> • Control a model using an ICT control model. • Use a glue gun with close supervision. • Join materials using appropriate methods. Use a hand drill to drill tight and loose fit holes. <p><u>To take inspiration from design throughout history</u></p> <ul style="list-style-type: none"> • Use and combine knowledge of inventors, designers, engineers, chefs and manufacturers who have developed ground-breaking products to create their own innovative designs. • Evaluate the design of products so as to suggest improvements to the user experience 		
	Enquiry / coverage in connected subject				
	<p>Maths- cost of items, measures, graphs</p> <p>Product branding</p> <p>Careers links</p>				
Key Vocabulary (tier 3)					



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	Enquiry / coverage in connected subject			



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Market research- questionnaires Maths- costing, measuring. Careers links.	
Key Vocabulary (tier 3)	