



D&T - 5 Year Curriculum Plan



DMA = Design and Make Assignment - **FPT** = Focused Practical Task

Notes:

KS3 Product Design / Food - classes rotate at February Half-Term

KS3 Textiles / Art & Design - classes rotate at February Half-Term - see the Art & Design Curriculum Plan

KS3 Product Design & KS4 3D Design - actual sequence of delivery will vary due to resourcing and or timetabling. For example while some Y8 classes are working with Robotics, others will be working with Electronics, while one Y10 class are working with metals another will be working with card.

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7 Product Design Food	Product Design DMA: Tealight Holder	Product Design DMA: Tealight Holder	Product Design FPT: LEGO Mechanisms FPT: LED Torch FPT: Structures including Bridges	Food <u>Theory</u> Health and safety Healthy eating and nutrition <u>Practical</u> Fruit preparation and cooking. Cooking pasta Using the oven.	Food <u>Theory</u> , Food safety and hygiene <u>Practical</u> Safe preparation and cooking of meat. Making a sauce.	Food <u>Theory</u> Health and safety Adapting dishes <u>Practical</u> Vegetable preparation and cooking Cereal bar
7 Textiles Art	Textiles FPT: Weaving	Textiles FPT: Stitching Techniques	Textiles DMA: Creative Creature	<i>Art & Design</i> <i>See Art & Design Curriculum Plan</i>	<i>Art & Design</i> <i>See Art & Design Curriculum Plan</i>	<i>Art & Design</i> <i>See Art & Design Curriculum Plan</i>

<p>8 Product Design</p>	<p>Product Design DMA: Pewter Casting CAD/CAM</p>	<p>Product Design FPT: LEGO Robotics FPT: Night Light Electronics</p>	<p>Product Design FPT: Plastics Forming FPT: Levers/Linkages Grabbing Arm</p>	<p>Food <u>Theory</u> Food issues <u>Practical</u> Safe preparation and cooking of vegetables and rice. Adapting recipes, using the oven.</p>	<p>Food <u>Theory</u> Healthy eating and nutrition. <u>Practical</u> Bread dough forming and shaping. Making pasta.</p>	<p>Food <u>Theory</u> Food safety (Meat) <u>Practical</u> Cooking safely with meat. Alternative proteins.</p>
<p>8 Food Textiles</p>	<p>Textiles DMA: Bag</p>	<p>Textiles DMA: Bag</p>	<p>Textiles DMA: Bag</p>	<p>Art & Design <i>See Art & Design Curriculum Plan</i></p>	<p>Art & Design <i>See Art & Design Curriculum Plan</i></p>	<p>Art & Design <i>See Art & Design Curriculum Plan</i></p>
<p>9 D&T</p>	<p>Product Design DMA: Storage Device</p>	<p>Product Design DMA: Storage Device</p>	<p>Product Design FPT: Trebuchet Build/Test/Analyse DMA: Thermoplastics - Phone Holder</p>	<p>Food Meatballs and sauce. Timeplanning and nutrition. Sweet and sour. The eat well guide, sauces and gelatinisation. Lasagne.</p>	<p>Food Mini pies. Shortcrust pastry, rubbing in method, the function of ingredients. Cheesecake. Modifying recipes, gelation, high risk food, presentation. Focaccia bread. Yeast investigation. Bread making, modifying recipes, function of ingredients.</p>	<p>Food Enchiladas. Food hygiene and safety. Planning and making own Multicultural savoury main course dish. Evaluation of dish. Potato Investigation (rosti cakes).</p>
<p>9 Food Textiles</p>	<p>Textiles FPT: Samples - Printing, Dyeing, Batik, Slashing</p>	<p>Textiles FPT: Samples Continued - Printing, Dyeing, Batik, Slashing</p>	<p>Textiles DMA: 3D Construction</p>	<p>Art & Design <i>See Art & Design Curriculum Plan</i></p>	<p>Art & Design <i>See Art & Design Curriculum Plan</i></p>	<p>Art & Design <i>See Art & Design Curriculum Plan</i></p>

10 GCSE 3D Design	<p>GCSE 3D Design</p> <p>Mini DMA : Designer Research Skills, Creativity with Wood - Sample 3D Structures</p> <p><u>Continues Throughout</u></p> <ul style="list-style-type: none"> • Design Past & Present • Design in History/Culture • 3D Drawing Exercises • CAD Skills • Visual Elements e.g. Colour, Line, Scale 	<p>GCSE 3D Design</p> <p>DMA: Hanger Project (or other TBC) - Research, Analysis</p> <p>FPT: Metal Samples</p>	<p>GCSE 3D Design</p> <p>DMA: Hanger Project (or other TBC) - Modelling, Sketching, Visual Investigation, Design Development</p>	<p>GCSE 3D Design</p> <p>DMA: Hanger Project (or other TBC) - Final Designs and Metalworking Realization</p> <p>FPT: Modelling skills in Corrugated Card</p>	<p>GCSE 3D Design</p> <p>FPT: Timber Joints and Applied Finishes</p> <p>FPT: Machinery Exercises - e.g. Milling Machine, Lathe</p> <p>FPT: Polymers - Lamination, Forming, Moulding</p>	<p>GCSE 3D Design</p> <p>DMA: Automata or Frame Project or other TBC</p> <p>FPT: Mechanisms</p>
	<p>GCSE Food</p> <p>Introduction to Year 10. Commodity - Fruit and Vegetables.</p>	<p>GCSE Food</p> <p>Commodity - Milk, cheese and yoghurt.</p>	<p>GCSE Food</p> <p>Commodity - Cereals, flour, bread and pasta.</p>	<p>GCSE Food</p> <p>Commodity - Meat, fish, poultry, eggs.</p>	<p>GCSE Food</p> <p>Commodity - Butter, oils, margarine, sugar syrup.</p>	<p>GCSE Food</p> <p>Commodity - Soya, tofu, beans, nuts, seeds.</p>
11 GCSE D&T	<p>GCSE 3D Design</p> <p>DMA: Automata or Frame Project OR other TBC</p>	<p>GCSE 3D Design</p> <p>DMA: Automata or Frame Project OR other TBC</p>	<p>GCSE 3D Design</p> <p><u>NEA: Externally Set Assignment</u></p>	<p>GCSE 3D Design</p> <p><u>NEA: Externally Set Assignment</u></p>	<p>GCSE 3D Design</p> <p><u>NEA: Externally Set Assignment</u></p>	<p>GCSE 3D Design</p> <p><u>NEA: Externally Set Assignment</u></p>
11 GCSE Food	<p>GCSE Food</p> <ul style="list-style-type: none"> • Introduction to year 11 • NEA 1 investigation project. • Range of practicals time permitting to extend year 10 practical skills. 	<p>GCSE Food</p> <ul style="list-style-type: none"> • NEA 2 research and planning of practical exam dishes. <p>Begin practical trials for exam.</p>	<p>GCSE Food</p> <ul style="list-style-type: none"> • Practical trials of planned dishes for the practical exam. • Evaluating dishes. • Sensory testing. • Revise theory topics. 	<p>GCSE Food</p> <p>Practical Assessments and Evaluation</p> <p>Exam revision</p>	<p>GCSE Food</p> <p>Exam revision</p>	<p>GCSE Food</p> <p>Exam revision</p>

