

Subject: Design and Technology

Year group: 9

Exam board: N/A

Summer Term:

9OAD/Dt, 9OBD/Dt, 9OCD/Dt, 9GAD/Dt, 9GDD/Dt will cover Storage products/ Inspirational quote modules

9ODD/Dt, 9OED/Dt, 9GBD/Dt, 9GCD/Dt, 9GED/Dt, 9GFD/Dt will cover Food/ Textile modules

Topics Covered	Keywords	Useful Resources	Assessment opportunities	Revision ideas
Storage Project: <ul style="list-style-type: none">• Analysis of storage needs• Analysis of target market needs and wants• Creating a design specification• How to join wooden parts?• Using hand tools and machinery safely• Timber categories• 3D Isometric drawing	Specification Aesthetics Environment Function Tenon Saw Coping Saw Scroll Saw Disc Sander Deciduous Coniferous	BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc	<ul style="list-style-type: none">• Homework 1 Analysis of home/family storage needs• Creating original ideas• Making a test wood joint• Homework 2 image board• Isometric drawing• Module grade	Review lesson using the Cornell note taking. Create revision cards Create a glossary of key words for each section. Create mind maps for each section covered.

<p>Inspirational Quote/Clock project:</p> <ul style="list-style-type: none"> • Analysis of clock/quote projects • Analysis of target market needs and wants • Creating a design specification • Investigating design movements/designers and artists • Using CAD (2 Design) • Preparing CAD drawings for CAM 	<p>Design Movements and Designers Arts & Crafts Movement: William Morris, Marie Zimmermann Art Nouveau: Hector Guimard Art Deco: Clarice Cliff, Eileen Gray Bauhaus: Le Corbusier, Alma Siedhoff-Buscher De Stijl: Theo Van Doesburg, Charmion Von Wiegand 1940s/1950s: Space age Modernism: Charles Rennie Macintosh, Charlotte Perriand 1960s: Bridget Riley Pop Art: Andy Warhol, Marisol Memphis (1980s)</p>	<p>BBC Bitesize</p> <p>D&T on the web http://www.design-technology.info/</p> <p>Technology student www.technologystudent.com</p> <p>Design Museum Design Museum</p> <p>V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk)</p> <p>Various You tube clips – search how things work/ materials etc</p>	<ul style="list-style-type: none"> • Homework Design Movement investigation • Creating original ideas • Module grade 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.
<p>International foods (Healthy eating and nutrition, savoury food preparation techniques, cooking for specific target markets, sensory evaluation, foods from around the world)</p>	<p>Research, designing, manufacturing, planning, evaluation, nutrition, target market, sensory evaluation descriptive words, rubbing in, stir frying, boiling, simmering, shaping</p>	<p>Recipe books/ online cookery videos/ Youtube/ TV Cookery shows</p> <p>BBC Bitesize</p> <p>D&T on the web http://www.design-technology.info/</p>	<ul style="list-style-type: none"> • Sensory evaluation of dishes • Planning of final design • Practical product • Module grade 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.

<p>Interior design textiles products (Fabric decoration techniques, designing for a client, planning, use of sewing machine)</p>	<p>Research, designing, manufacturing, planning, evaluation, applique embroidery, bondaweb, stencil, batik, cracked wax, sublimation printing, repeat pattern, tie and dye</p>	<p>BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc</p>	<ul style="list-style-type: none"> • Decorative technique fabric samples • Country and culture investigation HW • Design ideas • Production planning • Module grade 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.
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Subject: Design and Technology

Year group: 8

Exam board: N/A

Summer Term:

8OAD/Dt, 8OBD/Dt, 8ODD/Dt, 8OED/Dt, 8GAD/Dt, 8GBD/Dt, 8GDD/Dt, 8GED/Dt will cover Food/ Textiles modules

8OCD/Dt, 8OFD/Dt, 8GAC/Dt, 8GfD/Dt will cover Product Design 2 / Systems and Control modules

Topics Covered	Keywords	Useful Resources	Assessment opportunities	Revision ideas
Product Design 2 (Photo frame, hand and machine tools, creative designing for a client, working drawings, modelling)	Research, designing, manufacturing, planning, evaluation, working drawing, plywood, modelling, target market, scroll saw, pillar drill, disc sander	BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc	Product analysis Initial ideas Accurate working drawing Modelling photoframe design Manufacturing photoframe Module grade Yr 8 Exam	Review lesson using the Cornell note taking. Create revision cards Create a glossary of key words for each section. Create mind maps for each section covered.

<p>Systems and Control (Microbit, Tinkercad, CAD, Architectural design : dream rooms)</p>	<p>Research, designing, manufacturing, planning, evaluation, CAD, CAM, system, input, process, output</p>	<p>BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc</p>	<ul style="list-style-type: none"> • Dream room design • Tinkercad designs • Programming Microbit • Module grade • Yr 8 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.
<p>Baked products (Healthy eating and nutrition, baked food preparation techniques, cooking for specific target markets, sensory evaluation)</p>	<p>Research, designing, manufacturing, planning, evaluation, oven, baking, gelatinisation, rubbing in, creaming, nutrition, sensory evaluation descriptive words</p>	<p>Recipe books/ online cookery videos/ Youtube/ TV Cookery shows BBC Bitesize D&T on the web http://www.design-technology.info/</p>	<ul style="list-style-type: none"> • Practical products • Designing savoury scone • Evaluating products • Module grade • Yr 8 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.

<p>Textiles (E-Textiles, multi material products, freestanding lights, sublimation printing, Using the sewing machine- various stitches, injection moulding)</p>	<p>Research, designing, manufacturing, planning, evaluation, e-textiles, conductor, sublimation printing, circuit, zigzag stitch, injection moulding</p>	<p>BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc</p>	<ul style="list-style-type: none"> • Design ideas • Print designs • Manufacturing product • Module grade • Yr 8 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.
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Subject: Design and Technology

Year group: 7

Exam board: N/A

Summer Term:

7OAD/Dt, 7OBD/DT, 7ODD/DT, 7OED/DT, 7GAD/Dt, 7GDD/Dt, 7GED/Dt will cover Food/ Textiles modules

7OCD/Dt, 7OFD/DT, 7GBD/Dt, 7GFD/Dt will cover Systems and Control/ Product Design 1 modules

7OFD/DT, 7GAD/Dt will cover Systems and Control/ Materials and structures modules

Topics Covered	Keywords	Useful Resources	Assessment opportunities	Revision ideas
Product Design module 1 (CAD/CAM, graphics, ruler, properties of materials, structures)	Research, designing, manufacturing, planning, evaluation, CAD, CAM, graphics, parallel fold, structure, triangulation, I-Beam, strength, durable, flexible, malleable, opaque, recyclable	BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc	<ul style="list-style-type: none">• Ruler• Product analysis• Pop up card practical work• Module grade • Yr 7 Exam	<ul style="list-style-type: none">• Review lesson using the Cornell note taking.• Create revision cards• Create a glossary of key words for each section.• Create mind maps for each section covered.

<p>Product Design module 2 (Plastics, Mirrors, hand tools, Isometric drawing)</p>	<p>Research, designing, manufacturing, planning, evaluation, acrylic, coping saw, junior hack saw, strip heater, file, wet and dry paper, isometric drawing</p>	<p>BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk) Various You tube clips – search how things work/ materials etc</p>	<ul style="list-style-type: none"> • Key fob design and manufacture • Mirror design • Practical product • Evaluation • Isometric drawing • Module grade • Yr 7 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.
<p>Systems and Control (Door hanger, electronics, workshop tools)</p>	<p>Research, designing, manufacturing, planning, evaluation, solder, soldering iron, flux, circuit, conductor, component, LED, transistor, capacitor, scroll saw, pillar drill</p>	<p>BBC Bitesize D&T on the web http://www.design-technology.info/ Technology student www.technologystudent.com Design Museum Design Museum</p>	<ul style="list-style-type: none"> • Design of door hanger • Practical manufacturing of door hanger • Module grade • Yr 7 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.

		<p>V&A Museum The family of art, design and performance museums · V&A (vam.ac.uk)</p> <p>Various You tube clips – search how things work/ materials etc</p>		
<p>Introduction to Food Preparation and Nutrition (Food hygiene and safety, nutrition, basic food preparation techniques, knife skills, sensory evaluation)</p>	<p>Research, designing, manufacturing, planning, evaluation, nutrition, Eatwell Guide, bridge grip, claw grip, hob, oven, enzymic browning, hygiene, cross contamination, yeast, knead, whisk, dough, blend, sensory evaluation descriptive words</p>	<p>Recipe books/ online cookery videos/ Youtube/ TV Cookery shows</p> <p>BBC Bitesize</p> <p>D&T on the web http://www.design-technology.info/</p>	<ul style="list-style-type: none"> • Practical products and skills • Design of Hot Bread Snack • Evaluation • Sensory evaluation • Module grade • Yr 7 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.
<p>Textiles (Use of sewing machine and other equipment, where textiles come from, decorative techniques, cultural textiles around the world, recycling, drawstring bags)</p>	<p>Research, designing, manufacturing, planning, evaluation, sewing machine, iron, scissors, pin, needle, seam allowance, seam, stitch, sew, applique, bondaweb</p>	<p>BBC Bitesize</p> <p>D&T on the web http://www.design-technology.info/</p> <p>Technology student www.technologystudent.com</p> <p>Design Museum Design Museum</p>	<ul style="list-style-type: none"> • Designs • Practical product • Cultural investigation HW • Module grade • Yr 7 Exam 	<ul style="list-style-type: none"> • Review lesson using the Cornell note taking. • Create revision cards • Create a glossary of key words for each section. • Create mind maps for each section covered.