



Curriculum Map: Subject:  D&T

Year 7

	Unit of Work	Knowledge and Skills	Assessment
1	Graphics	<p><b>3D block character</b> – 3D modelling skills; nets; sketching and rendering skills</p> <p><b>Reading task</b> – Blog; How to create a monster <b>USE</b> – create a monster profile</p>	<p><b>Subject</b> – Mid Design section; Final iterative design process</p> <p><b>Literacy</b> – written monster profile, ongoing development of annotation skills</p>
2	Textiles	<p><b>Monster book cover</b> – hand embroidery; safety of sewing machine; material sources</p> <p><b>Reading task</b> – Ongoing starter – Tailor of Gloucester with comprehension task, extended written responses</p>	<p><b>Subject</b> – Mid design section; Final iterative design process</p> <p><b>Literacy</b> – comprehension of reading task</p>
3	RM	<p><b>Chocolate moulds</b> – safety; sustainability; finite/non-finite materials; plastics (thermos/thermoset); vacuum forming; positive space; CAD/CAM 2D design; packaging (NET development); free hand sketching.</p> <p><b>Reading task</b> – Article; Greta Thumberg <b>USE</b> – teacher questioning/extend vocabulary; bounce reading</p>	<p><b>Subject</b> – Mid – research and design. Final iterative design process</p> <p><b>Literacy</b> – Workshop safety explanation</p>
4	FPN	<p><b>Food &amp; cooking</b></p> <p>Food preparation &amp; safety – knife skills; fruit salad; vegetable cous cous; cheese scones; fish goujons; thai green curry; bread based pizza. Basic food hygiene and safety hazards; 4 C's; weighing and measuring; safe use of the cooker</p>	<p><b>Subject</b> – general food hygiene safety test – peer assessed; Mid – food preparation &amp; safety/food science. Final Food nutrition health &amp; food choice/provenance</p> <p><b>Literacy</b> – practical evaluation 1</p>



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		<p>Food science – basic ingredient functions (aerate; bulk; bind; flavour; appearance); sensory function</p> <p>Food nutrition and health – Eatwell guide; 8 tips; hydration; balanced meals</p> <p>Food choice &amp; provenance – farm to fork; seasonality; food choice/needs</p> <p><b>Reading task</b> – The great cake contest comprehension questions and design response to question that ends the story or in class reading how to maintain a balanced diet (in workbook along with questions)</p>	
5	PD	<p><b>Interactive flyer</b> – Farm to Fork- impact of food on environment introduction (basic); paper engineering; product analysis; writing a specification; developing an idea (modelling/prototyping); planning and annotation.</p> <p><b>Reading task</b> – Newsround article How does food impact on the environment bounce reading</p>	<p><b>Subject</b> – mid – investigation, specification (literacy) and Design. Self, Peer and Teacher assessed design.</p> <p><b>Literacy</b> - specification</p>



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Year 8

	Unit of Work	Knowledge and Skills	Assessment
1	Graphics	<b><u>Pop up celebration cards</u></b> – Mechanisms; Nets; prototypes (modelling) <b><u>Reading task</u></b> – Little People Book <b><u>USE</u></b> – comprehension questions and written response	<b><u>Subject</u></b> – Mid design section; Final iterative design process <b><u>Literacy</u></b> – written story based on research, evaluation, ongoing development of annotation skills
2	Textiles	<b><u>Geometric cushions</u></b> – sewing machine skills; stencils; CAD/CAM; fabric construction <b><u>Reading task</u></b> – Script – The Devil Wears Prada <b><u>USE</u></b> comprehension questions – extended written response	<b><u>Subject</u></b> – Mid design section; Final iterative design process <b><u>Literacy</u></b> – comprehension of reading task
3	RM	<b><u>Pewter accessory</u></b> – Carbon offsetting (environment); ferrous/nonferrous metals; variety of approaches to generating ideas (scruffiti); specialist techniques negative space (casting) <b><u>Reading task</u></b> – Article Carbon offsetting <b><u>USE</u></b> comprehension test; dear diary entry; maths question	<b><u>Subject</u></b> – Mid research and design. Final iterative design process <b><u>Literacy</u></b> – Reading task
4	FPN	<b><u>Diet &amp; health</u></b> Food preparation skills/food safety – apple swan; frittatas; savoury rice; Calzone; Pasta bake; Mince dish; fajitas Food science – coagulation; Dextrinisation; gelatinisation; denaturation	<b><u>Subject</u></b> – Year 7 recap quiz to start module. Mid food preparation/safety and food science. Final Food nutrition



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		<p>Food nutrition and health – Macro and micronutrients; energy and balance; nutritional analysis (Explore food); balanced meals</p> <p>Food choice and provenance – modifying meals based on factors that affect food choice; local foods; farm assurance (Red tractor)</p> <p><b>Reading task</b> – Article on National farmers union campaign for eating meat. (meat v vegan) comprehension test and research question on Red tractor leading to opinion based argument.</p>	<p>and health/food choice and provenance</p> <p><b>Literacy</b> – practical evaluation</p>
5	PD	<p><b>Abbey Park of 2050 Branding-</b> Sustainability (social, cultural, environmental); retrieval of DT Movements (covered by CP/BQ in Y7 project); typography and font design/ GR Link; branding and logo design/remodelling; application to product; environmental impact of product/ FPN link. Figure/Fashion Drawing; Proportions, body image; Fashion croquis/flats; Fast fashion and impact of fashion on environment- including dye and waste. Application of design to product.</p> <p><b>Reading task</b> – Article on the modern fashion figure and its creation (bounce reading); comprehension test.</p>	<p><b>Subject</b> –</p> <p>1/3- TAG Typography assessment</p> <p>2/3- TAG Application to design (energy drink can)</p> <p>3/3- TAG Application to design (Fashion mascot)</p> <p><b>Literacy</b> – Reading task, annotation.</p>

**Year 9**

Term	Unit of Work	Knowledge and Skills	Assessment
1	Graphics	<p><b>Technical drawing</b> – isometric; one- and two-point perspective and orthographic</p> <p><b>Reading task</b> – Article, manual drafting techniques pros/cons <b>USE</b> opinion based response with justification</p>	<p><b>Subject</b> – Mid drawing skills</p> <p>Final project grade only</p> <p><b>Literacy</b> – self assessment</p>



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2	Textiles	<p><b><u>Embroidery Wallet</u></b> – sewing machine skills; embroidery; Development of ideas; manufacturing specification</p> <p><b><u>Reading task</u></b> – Autobiography Quant on Quant; similarity/differences between student and designer extended written piece</p> <p>THIS PROJECT IS TO HELP STUDENTS CATCH UP ON SKILLS THEY MISSED DUE TO COVID DISRUPTION IN YEAR 7</p>	<p><b><u>Subject</u></b> – Mid research and design Final project grade only</p> <p><b><u>Literacy</u></b> – product analysis</p>
3	RM	<p><b><u>3D modelling</u></b> – Autodesk inventor; CAD/CAM; 3D printing</p> <p><b><u>Reading task</u></b> – Article/design paper advantages/disadvantages of CAD/CAM <b><u>USE</u></b> bounce reading, independent advantages/disadvantages and HW to present argument</p>	<p><b><u>Subject</u></b> – Mid application of CAD skills Final project grade only</p> <p><b><u>Literacy</u></b> – reading task</p>
4	FPN	<p><b><u>Dietary needs</u></b></p> <p>Food preparation skills/food safety – one pot chicken dishes; seasonal muffins; NEA 2 style meal design burger design (bun and patty)</p> <p>Food science – NEA 1 style investigation small cakes (working characteristics and functional properties of ingredients)</p> <p>Food nutrition and health – balanced meals; lifestage requirements</p> <p>Food choice and provenance – dietary needs/requirements; adapt and modify a dish to meet needs</p> <p><b><u>Reading task</u></b> – Article social media influences on food, comprehension test and presenting an opinion</p>	<p><b><u>Subject</u></b> – Mid cake investigation and evaluation Final burger design and make task</p> <p><b><u>Literacy</u></b> – reading task</p>
5	PD	<p>Key Designers:</p> <p>Theory base, RM TX GR materials; Mass production; branding and design; typography recap (due to C19 learning gaps and develop depth of application from Y8); Application of Harry Beck (linear), William Morris (pattern and tessellation), Norman Foster; Yinka Illori</p>	<p>Subject – mid Application of designers to a final hybrid design.</p> <p><b><u>Literacy</u></b> – reading task</p>



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(Geometric/isometric design) to brand design; Application of final design to create a page of product designs

**Reading task-** History of screenprinted posters by V&A. Homework task to produce a research page showing an investigation into screenprinting, its historical uses and application to their work.