



Curriculum Map: Subject: D&T

Year 10

Term	Unit of Work	Knowledge and Skills	Assessment			
1	Theory: New & emerging Technologies	<p>Theory lessons:</p> <ul style="list-style-type: none"> • Industry • Enterprise • Sustainability & the environment • People • Society & Culture • Production techniques & systems • Informing design decisions <p>TEST ONE</p> <p>Homework: The work of others. Reinforce understanding of theory through long answer questions (revision)</p> <p>Specific subject projects</p> <table border="1"> <tr> <td>Graphics: Practice NEA Investigation</td> <td>Textiles: Basic textiles skills (hems, seams, gathers)</td> <td>RM: Introduction to woodworking machinery and tools (including production aids)</td> </tr> </table>	Graphics: Practice NEA Investigation	Textiles: Basic textiles skills (hems, seams, gathers)	RM: Introduction to woodworking machinery and tools (including production aids)	<p>Homework or class based long answer question. Literacy assessment.</p> <p>Specific subject assessment (teacher choice)</p>
Graphics: Practice NEA Investigation	Textiles: Basic textiles skills (hems, seams, gathers)	RM: Introduction to woodworking machinery and tools (including production aids)				
2	Theory: Energy generation & storage. Developments in new materials	<p>Theory lessons:</p> <ul style="list-style-type: none"> • Energy generation • Energy storage • Modern materials • Smart materials • Textiles & technical textiles • Composite materials <p>Homework: Drawing techniques (perspective/isometric)</p> <p>Specific subject projects</p> <table border="1"> <tr> <td>Graphics: Practice NEA Design ideas</td> <td>Textiles: Making of bag/cushion using basic textiles skills</td> <td>RM: Continue introduction to woodworking machinery and tools (including production aids)</td> </tr> </table>	Graphics: Practice NEA Design ideas	Textiles: Making of bag/cushion using basic textiles skills	RM: Continue introduction to woodworking machinery and tools (including production aids)	<p>Test One assessment</p> <p>Homework or class based long answer question. Literacy assessment.</p>
Graphics: Practice NEA Design ideas	Textiles: Making of bag/cushion using basic textiles skills	RM: Continue introduction to woodworking machinery and tools (including production aids)				



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3	<p>Theory: Systems approach to designing. Mechanical devices. Forces & stresses</p>	<p>Theory lessons:</p> <ul style="list-style-type: none"> • Systems approach to designing • Movement & levers • Linkages • Rotary systems • Forces & stresses / Reinforced materials <p>Homework: Reinforce understanding of theory through long answer questions (revision) TEST TWO (include Evaluation question)</p> <p>Specific subject projects</p> <table border="1" data-bbox="521 571 1619 644"> <tr> <td data-bbox="521 571 887 644">Graphics: Practice NEA Development of an idea</td> <td data-bbox="887 571 1252 644">Textiles: Using a pattern (making a shirt)</td> <td data-bbox="1252 571 1619 644">RM: Focus on plastic and modelling</td> </tr> </table>	Graphics: Practice NEA Development of an idea	Textiles: Using a pattern (making a shirt)	RM: Focus on plastic and modelling	<p>Homework or class based long answer question. Literacy assessment.</p> <p>Specific subject assessment (teacher choice)</p>
Graphics: Practice NEA Development of an idea	Textiles: Using a pattern (making a shirt)	RM: Focus on plastic and modelling				
4	<p>Theory: Ecological & Social Footprint. Scales of Production. Materials and their properties</p>	<p>Theory lessons:</p> <ul style="list-style-type: none"> • Ecological & social footprint • The 6Rs • Scales of productions • Materials and their properties (focus on specialist material) <ul style="list-style-type: none"> ○ Paper & Board ○ Natural & Synthetic fibres ○ Thermosetting and thermoplastic ○ Ferrous & non-ferrous metals ○ Hardwoods and softwoods <p>Homework: Reinforce understanding of theory through long answer questions (revision) Specific subject projects</p> <table border="1" data-bbox="521 1086 1619 1230"> <tr> <td data-bbox="521 1086 887 1230">Graphics: Practice NEA Manufacturing Spec & making</td> <td data-bbox="887 1086 1252 1230">Textiles: Continue using a pattern (making a shirt)</td> <td data-bbox="1252 1086 1619 1230">RM: Shaping plastics, CAD/CAM, modelling</td> </tr> </table>	Graphics: Practice NEA Manufacturing Spec & making	Textiles: Continue using a pattern (making a shirt)	RM: Shaping plastics, CAD/CAM, modelling	<p>Test Two Assessment</p> <p>Specific subject assessment (teacher choice)</p>
Graphics: Practice NEA Manufacturing Spec & making	Textiles: Continue using a pattern (making a shirt)	RM: Shaping plastics, CAD/CAM, modelling				
5	<p>Theory: Specialist technical principles. Design strategies and modelling. Communication of ideas.</p>	<p>Theory lessons:</p> <ul style="list-style-type: none"> • Specialist technical principles related to subject • Design strategies • Communication of ideas <ul style="list-style-type: none"> ○ One & Two point perspective ○ Isometric ○ Orthographic 	<p>Homework or class based long answer question. Literacy assessment.</p> <p>Specific subject assessment (teacher choice)</p>			



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		<ul style="list-style-type: none"> ○ Exploded drawings ○ Scale drawings ○ Schematic diagrams ○ Flowcharts <p>Starters:</p> <ul style="list-style-type: none"> ● Production Aids ● Quality Checks ● Ergonomics & Anthropometrics ● Tolerance/nesting <p>Mock Exam</p>	
6	Commencement of NEA	<p>NEA Investigation:</p> <ul style="list-style-type: none"> ● Task Analysis ● Product Analysis ● Survey/Questionnaire ● Independent research <p>Theory:</p> <ul style="list-style-type: none"> ● Mock feedback <p>Homework: Reinforce understanding of theory through long answer questions (revision)</p>	<p>Mock exam assessment</p> <p>Homework or class based long answer question. Literacy assessment.</p>

Year 11

Term	Unit of Work	Knowledge and Skills	Assessment
1	NEA	<p>NEA:</p> <ul style="list-style-type: none"> ● Investigation ● Design Brief ● Specification <p>Homework: Reinforce understanding of theory through long answer questions (revision). Peer/self assessment</p> <p>TEST ONE (Section B)</p>	<p>Test One assessment</p> <p>Homework or class based long answer question. Literacy assessment.</p>
2	NEA	<p>NEA:</p> <ul style="list-style-type: none"> ● Initial Design Section ● Design Development ● Manufacturing Specification 	<p>Mock exam assessment</p> <p>General NEA feedback. Non specific</p>



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		<p>Homework: Reinforce understanding of theory through long answer questions (revision). Peer/self assessment</p> <p>Mock Exam</p>	
3	NEA	<p>NEA:</p> <ul style="list-style-type: none"> • Making skills <p>Homework: Reinforce understanding of theory through long answer questions (revision). Peer/self assessment</p> <p>Theory: Mock exam feedback</p>	<p>Homework or class based long answer question. Literacy assessment.</p> <p>General NEA feedback. Non specific</p>
4	NEA	<p>NEA:</p> <ul style="list-style-type: none"> • Making • Testing/Evaluation <p>NEA Deadline: Friday 6th March</p> <p>Test Two (including evaluation, maths, nesting question)</p> <p>Homework: Reinforce understanding of theory through long answer questions (revision). Peer/self assessment</p>	<p>Test Two assessment</p> <p>Homework or class based long answer question. Literacy assessment.</p>
5	Revision	<ul style="list-style-type: none"> • Test two feedback • Long answer questions (peer/self-assessed) • Revision games 	<p>NEA assessment</p> <p>Homework or class based long answer question. Literacy assessment.</p>