

Long Term Planning Overview	Key Stage 4	Subject Area: GCSE DT: Textiles Technology	Academic Year: 2022/23
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Year	Study Modules Assessment	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 10	Study Modules	<p><u>Wood and Timber</u></p> <p><u>Practical work:</u> Screen printing.</p> <p><u>Theory:</u> Classification and sources of wood and timber.</p> <p>Finishing techniques,</p> <p>Environment and sustainability,</p> <p>Joining techniques,</p> <p>Production and classification of manufactured boards,</p> <p>Standard components.</p> <p>Fibres and fabrics.</p>	<p><u>Wood and Timber</u></p> <p><u>Practical work:</u> Using a commercial pattern</p> <p><u>Theory:</u> Costing.</p> <p>Modelling to scale</p> <p>Production and classification of plastics and polymers.</p> <p>Production methods.</p> <p>Use of jigs, patterns and templates,</p> <p>Using CAD and CAM</p>	<p><u>Plastics and Polymers</u></p> <p><u>Practical work:</u> Hat project</p> <p><u>Theory:</u> Methods of drawing, modelling and testing design ideas.</p> <p>Construction techniques and finishes.</p> <p>Surface decoration</p>	<p><u>Programmable Components</u></p> <p><u>Practical work:</u> Interactive touch light</p> <p><u>Theory:</u> Programmable components</p> <p>Circuit diagrams and flow charts</p> <p>Smart and modern materials</p> <p>Production and classification of paper and board</p>	<p><u>Metals</u></p> <p><u>Practical work:</u> Modelling and prototyping.</p> <p><u>Theory:</u> Metals and Alloys Production and classification of ferrous and non-ferrous metals</p>	<p><u>NEA: Start of NEA</u></p> <p>Selecting contextual challenge</p> <p>Initial analysis and mind maps.</p> <p>Identification of a need and brief</p> <p>Primary and secondary research</p> <p>Initial ideas</p>
	Assessment	Baseline testing	Mock exam based on theory covered so far	Mock exam based on theory covered so far	Mock exam based on theory covered so far	Mock exam (entire paper)	
Year 11	Study Modules	<u>NEA:</u>	<u>NEA:</u>	<u>NEA:</u>	<u>Energy sources</u>	<u>Revision and exam technique</u>	



		Modelling and testing of initial ideas Details of final solution Production plan Making diary Begin making prototype	Completing prototype and making diary	Modelling and testing. Portfolio and sketchbook handed in ready for submission to exam board.	<u>Mechanical systems</u>		
	Assessment		Mock exam (entire paper)		Mock exam (entire paper)		

