



Yr10	Autumn	Spring	Summer
Prior learning from Ks2	Knowledge and understanding of mm and use of rulers.	Knowledge and understanding of 3D drawing and sketching	Capability to use scissors accurately
Component topics/projects	<p>S1: Introduction to the GCSE components, requirements and time scales.</p> <p>S2: Designing, prototype modelling and manufacture. Scroll work project</p> <p>S3: 2d laser work. Product research Ergonomics and Anthropometrics</p>	Design and make of Child's Chair project	Introduction to and the start of the Controlled Assessment Task
Learning Aim	<p>S1: To develop awareness of course content and requirements of work to be completed.</p> <p>S2: To develop presentation skills, 3d card modelling and manufacture of a chosen design.</p> <p>S3: To understand how to use and work with 2D design, to be able to use the laser cutter. To know and understand the processes and meanings of Ergonomics and Anthropometrics in relation to a chosen design. To be able to work through elements of product research.</p>	<p>To produce a practice / reserve major project.</p> <p>To become proficient in Designing to a given brief.</p> <p>To enhance 3D modelling skills and product presentation.</p> <p>To learn about product manufacture and planning.</p> <p>To develop manufacturing skills.</p> <p>To be able to construct a product evaluation.</p>	Students to begin the production of a project of 40 hrs. duration as per the criteria set by the examination board.



<p>Teaching content</p>	<p>S1: Teacher lead delivery of coursework requirements and expected attitude to work and content. S2: Introduction to proposed topic for design and make unit. Demonstration of expected design styles and card prototypes supported with exemplar materials. S3: Collective instruction of 2D design. Allow students to research E&A Outline requirements for product research and how to present it for GCSE</p>	<p>Instruction of how to develop a design brief.</p> <p>Instruction and demonstrations of designing and development of designs</p> <p>Demonstrations of 3D card modelling</p> <p>Instruction and demonstrations of specialist tools and equipment for chair manufacture.</p> <p>Demonstrations on product finishing.</p> <p>Instruction on how to produce a product evaluation</p>	<p>Facilitation of computer access</p> <p>Guidance on project choices.</p> <p>Monitoring of students progress.</p> <p>Full group demonstrations of specialist equipment and processes if required by the project choices.</p>
<p>Resources</p>	<p>A3 plain paper. Grey Card, Craft knives, PVA DT Text books Access to Computer rooms. Workshop facilities. Black drawn mild steel. Associated tools and equipment.</p>	<p>A3 plain paper. Grey Card, Craft knives, PVA DT Text books Access to Computer rooms. Workshop facilities. 4 piece Plywood pack per student. Associated tools and equipment.</p>	<p>Access to Computer rooms.</p> <p>Workshop facilities.</p> <p>Associated tools and equipment.</p>
<p>Assessment</p>	<p>Range from 1 to 8 in line with subject guidelines from Pearson, Edexcel DT assessment criteria.</p>	<p>Range from 1 to 8 in line with subject guidelines from Pearson, Edexcel DT assessment criteria.</p>	<p>Range from 1 to 8 in line with subject guidelines from Pearson, Edexcel DT assessment criteria.</p>



	Autumn	Spring	Summer
Prior learning from Ks2	Knowledge and understanding of mm and use of rulers.	Knowledge and understanding of 3D drawing and sketching	Capability to use scissors accurately
Component topics/projects	Continuation of the Controlled Assessment Task	Continuation and full completion of the Controlled Assessment Task. Start of Revision package	Continuation of Revision package
Learning Aim	Students to continue with the production and completion of the Controlled Assessment Task. 40 hrs. duration as per the criteria set by the examination board.	Students to continue with the production and completion of the Controlled Assessment Task. 40 hrs. duration as per the criteria set by the examination board. To Selectively revise for exam preparation	To Selectively revise for exam preparation
Teaching content	Facilitation of computer access. Guidance on project manufacture. Monitoring of students progress. Full group demonstrations of specialist equipment and processes if required by the project choices.	Facilitation of computer access. Guidance on completion of project manufacture. Monitoring of students progress. Full group demonstrations of specialist equipment and processes if required by the project choices. Assessment of Controlled Assessment	Facilitation of computer access. Monitoring of students progress.



		Task and associated feedback Introduction of what content is required and how to revise.	
Resources	Access to Computer rooms. Workshop facilities. Associated tools and equipment.	Access to Computer rooms. Dt Text books A4 revision exercise book Workshop facilities. Associated tools and equipment.	Access to Computer rooms.
Assessment	Range from 1 to 8 in line with subject guidelines from Pearson, Edexcel DT assessment criteria.	Range from 1 to 8 in line with subject guidelines from Pearson, Edexcel DT assessment criteria.	Range from 1 to 8 in line with subject guidelines from Pearson, Edexcel DT assessment criteria.