







<p><b>Unit: NEA 50%</b></p> <p>By the end of this unit of learning all students will be able to produce:</p> <p>1.2 Product specification 2.1 Design ideas 2.2 Review of initial ideas 2.3 Development of design ideas into a chosen design 2.4 Communication of design ideas 2.5 Review of chosen design 3.1 Manufacture 3.2 Quality and accuracy 4.1 Testing and evaluation</p>		<p>Specification Technical Measurable Justified Aesthetics Form Function Prototype Life Cycle Assessment</p>
		<p>NEA no individual feedback allowed by class teacher to pupils</p>
		<p>Knowledge Organiser</p>
<p><b>Unit: 6 Timbers Theory</b></p> <p>By the end of this unit of learning all students will be able to:</p> <p>7.1 Timbers, components and manufacturing processes 7.2 The sources, origins, physical and working properties of each natural and manufactured timber and their social and ecological footprint 7.3 The way in which the selection of each natural and manufactured timber is influenced. 7.4 The impact of forces and stresses on each natural and manufactured timber and how they can be reinforced and stiffened 7.5 Typical stock forms, types and sizes used in order to calculate and determine the required quantity of each natural and manufactured timber 7.6 Alternative processes that can be used to manufacture typical products of each natural and manufactured timber to different scales of production 7.7 Specialist techniques, tools, equipment and processes that can be used on each natural and manufactured timber to shape, fabricate, construct and assemble a high-quality prototype 7.8 Appropriate surface treatments and finishes that can be applied to each natural and manufactured timber for functional and aesthetic purposes</p>		<p>Hardwoods Softwoods Manufactured Boards Density Genetic Engineering Sustainability Upcycling Tanalised Shear Lamination Veneering PAR/PSE Routing Jig Tolerance CAM Wood joints - Butt, dowel, lap, housing, mitre, mortise and tenon and dovetail Wastage Addition Knock-down fittings</p>
		<p>Assessment: Mock exams x2 within school year Recap starters In class LO assessment tasks</p>
		<p>Knowledge Organiser</p>