



Curriculum Map: Year 7 Subject: Product Design

Topic	Key Knowledge <i>What will all students KNOW by the end of the topic?</i>	Key Skills <i>What key skills will be learnt/developed by the end of the topic? What will all students be able to DO by the end of the topic?</i>	Assessment Opportunities <i>What are the key pieces of assessment? How will students be assessed?</i>
Project: Design Technology: Foundation skills 1	<p>Design Understand stages of design and production processes and create a suitable Brief and Specification</p> <p>Create original designs that address the brief and specification</p> <p>Make How to work with resistant materials and plastics. Use of hand tools and heat processes to produce a wooden cross and an acrylic box.</p> <p>Evaluate Evaluate outcome and suggest improvements. Explain how to improve the outcome.</p> <p>Technical Knowledge Know how to keep yourself and others safe in the workshop</p> <p>Use equipment safely, measure and mark out with accuracy and skill</p>	<p>Design Students will learn about the design process and understand that the cross will be the product outcome.</p> <p>Make Students will mark up their materials understanding the importance of accuracy for function and sustainability.</p> <p>Students will create and use cutting lists, templates and formers Students will use Fret saws and line bender</p> <p>Evaluate Students will evaluate their competency when using equipment safely and skilfully.</p> <p>Evaluation of the outcomes demonstrating an understanding of how to improve/refine the outcome.</p> <p>Technical Knowledge</p> <p>Students will initially focus on Health & Safety in the workshop and complete their H&S passport. Consideration of other students, hazards and risks.</p>	<p>Demonstrate ability to work safely in the workshop.</p> <p>Handmade cross using wood and hand tools</p> <p>Heat formed Acrylic box and wooden puzzle</p> <p>Evaluation of outcomes</p>

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		<p>Understand the selection of the correct materials, technique and tools for different outcomes. Using Fret saws, junior hacksaw, files, sand paper, buffer/polisher and drills.</p>	
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