



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 2	<p>Design</p> <p>Evaluate existing products with consideration of user groups and suitability.</p> <p>Create original designs suitable for other people using technical drawing</p> <p>Make</p> <p>How to shape and work resistant materials and plastics. Use of hand tools and heat processes to create a vacuum formed door sign and a moving wooden toy</p> <p>Evaluate</p> <p>Evaluate outcome and suggest improvements. Explain how to improve the outcome.</p> <p>Technical Knowledge</p> <p>Know how to keep yourself and others safe in the workshop</p>	<p>Design</p> <p>Students will use visual research to generate ideas and personal insight. Students will write a design brief and specification for their identified user.</p> <p>Students will generate a cutting list appropriate to the stages of production and design, considering wastage and sustainability.</p> <p>Make</p> <p>Students produce a mould for their product that includes layers to create detail.</p> <p>Students will select appropriate technical equipment for cutting and moulding. Use appropriate techniques to finish materials considering function and aesthetics.</p> <p>Evaluate</p> <p>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 for their customer.</p> <p>Technical Knowledge</p>	<p>Demonstrate ability to work safely in the workshop and use equipment competently</p> <p>Vacuum formed Plastic door sign</p> <p>Moving wooden toy</p> <p>Evaluation of outcomes</p>

Curriculum Map: Year 8

Subject: Product Design

	<p>Select appropriate technical equipment. Finish materials considering function and aesthetics</p>	<p>Students will demonstrate and understanding of Health & Safety in the workshop and complete their H&S passport. Consideration of other students, hazards and risks.</p> <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> <p>Students will understand the purpose of a cutting list and be able to consider ways to reduce waste</p> <p>Understand the vacuum forming process and record the process in an accurate diagram</p>	
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