

# Curriculum and Skills Mapping Template

Subject : Engineering    Key Stage: 4    Year: 11

Term	Topic	Objectives	Assessment	Academic Skills	Personal Skills
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	<p>Electrical and Electronics</p>	<p><b>Use tools and equipment affectively to create and accurate and safe outcome</b></p> <p><b>Respond correctly to an electronic schematic drawing using skills attained in lesson to assemble a fully functional representation of a switch and light board.</b></p>	<p><b>Make</b></p> <ul style="list-style-type: none"> <li>• Accurate use of tools, equipment, and materials to manufacture components in reference to a working drawing.</li> <li>• Accurate assembly of components using techniques demonstrated.</li> <li>• Use an appropriate finish process that create a high-quality outcome.</li> </ul> <p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>• Complete a candidate review to evaluate your skills and performance throughout the module in accordance with the SQA criteria.</li> </ul> <p><b>Technical Knowledge</b></p> <ul style="list-style-type: none"> <li>• Demonstration of fully assembled</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding</li> <li>• Analysis</li> <li>• Evaluation</li> <li>• Planning</li> <li>• Manufacture</li> </ul>	<ul style="list-style-type: none"> <li>• Resilience</li> <li>• Giving feedback</li> <li>• Reflection</li> <li>• Responding to feedback</li> <li>• Time management</li> <li>• Remembering</li> <li>• Patience</li> </ul>
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			board that meets the specification criteria.		
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	<p>Design and Manufacture</p>	<p><b>Use tools and equipment affectively to create and accurate and safe outcome</b></p> <p><b>Use design skills attained through KS3/KS4 to create a suitable lamp design that meets the SQA specification criteria.</b></p> <p><b>Use 3D rendering software to create a virtual representation of your product, then use the software to create an accurate schematic diagram that will them form part of the final portfolio.</b></p> <p><b>Evaluate your performance in the module by completing a candidate review in accordance with the SQA specifciation criteria.</b></p>	<p><b>Design</b></p> <ul style="list-style-type: none"> <li>• Initial idea generation of articulating lamps</li> <li>• Development of ideas showing clear design progression and annotation.</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>• Accurate use of tools, equipment, and materials to manufacture components in reference to a working drawing.</li> <li>• Accurate assembly of components using traditional joining methods.</li> <li>• Use an appropriate finish process that create a high-quality outcome.</li> </ul> <p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>• Complete a candidate review to evaluate your skills</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding</li> <li>• Analysis</li> <li>• Evaluation</li> <li>• Planning</li> <li>• Designing</li> <li>• Creating</li> </ul>	<ul style="list-style-type: none"> <li>• Resilience</li> <li>• Giving feedback</li> <li>• Reflection</li> <li>• Responding to feedback</li> <li>• Time management</li> <li>• Remembering</li> <li>• Patience</li> </ul>
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