

Week	Lesson
WEEK 9 wc 4 <sup>th</sup> November	<p><b>Practical lesson – CADCAM</b></p> <p>Demo the pewter casting hearth and CAD router machine. Reinforce health and safety rules when using the machines. Pupils to use both machines to produce a mould and cast a letter from pewter.</p> <ul style="list-style-type: none"> <li>• Follow correct procedure</li> <li>• Be aware of specific safety rules when using the machines</li> <li>• Be able to apply basic quality control checks after both processes are finished</li> </ul>
WEEK 10 wc 11 <sup>th</sup> November	<p><b>Practical lesson –Cleaning the materials/ Adding a finish</b></p> <p>Pupils will clean up their materials using sandpaper, wire wool and metal polish. Discussion about finishes:</p> <ul style="list-style-type: none"> <li>• Why are they used</li> <li>• Different types for different materials</li> </ul> <p>Pupils will be shown how to apply a clear polyurethane finish to seal in their material once it is completed Pupils to proceed with practical, show awareness of Health and Safety and follow the rules of the workshop</p>
WEEK 11 wc 18 <sup>th</sup> November	<p><b>Practical – Final assembly</b></p> <p>Final assembly lesson for all aspects of the project to be completed. Reminder about Quality Control – <i>Modifications that may have occurred need to be noted and justified if they have deviated from the design brief</i></p>
WEEK 12 wc 25 <sup>th</sup> November	<p><b>Evaluation</b></p> <p>Review the project with the pupils. Class discussion with all the completed projects on view. Good examples and why. What improvements could others have made? All pupils to complete an evaluation work sheet to review their product and their own performance during the rotation</p>
WEEK 13 wc 2 <sup>nd</sup> December <b>PAZ assessment</b>	<p>Pupils to complete a full lesson PAZ assessment based on the prior learning up to this point in the scheme.</p>
WEEK 14 wc 9 <sup>th</sup> December	<p><b>Project 2 - Mechanisms – Cam display project</b></p> <p>Pupils will be introduced to the principles of Mechanisms:</p> <ul style="list-style-type: none"> <li>• What are mechanisms / why are they used?</li> <li>• Common types of mechanisms – Cams / linkages / ratchets / cranks</li> </ul>

<p>WEEK 15 wc 16<sup>th</sup> December</p>	<p><b>Design brief and Initial ideas – Mechanism display</b> What is a design brief and why do we use them in design technology? Discuss the correct method of producing initial ideas:</p> <ul style="list-style-type: none"><li>• 3D sketches</li><li>• Colour</li><li>• Annotation</li></ul> <p>Pupils to complete 2 initial ideas for their mechanism display with accompanying annotation. Discuss the concept of target markets and Point of Sale displays.</p>
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