

Week	Lesson
WEEK 9 wc 4 th November	<p>Practical lesson – CAD/CAM</p> <p>Demo the acrylic line bender and CAD router machine. Reinforce health and safety rules when using the machines.</p> <p>Pupils to use both machines to produce an acrylic net with a tessellated pattern and then bend up the shape into a 3D object.</p> <ul style="list-style-type: none"> • Follow correct procedure • Be aware of specific safety rules when using the machines • Be able to apply basic quality control checks after both processes are finished <p>Pupils to proceed with practical, show awareness of Health and Safety and follow the rules of the workshop.</p>
WEEK 10 wc 11 th November	<p>Practical lesson –Cleaning the materials/ Adding a finish</p> <p>Pupils will clean up their materials using emery cloth, and acrylic polish. Discussion about finishes:</p> <ul style="list-style-type: none"> • Why are they used • Different types for different materials <p>Pupils will discuss why acrylics do not need a finish. What is meant by self-finishing?</p>
WEEK 11 wc 18 th November	<p>Practical – Final assembly</p> <p>Final assembly lesson for all aspects of the project to be completed.</p> <p>Reminder about Quality Control – Modifications that may have occurred need to be noted and justified if they have deviated from the design brief.</p>
WEEK 12 wc 25 th November	<p>Evaluation</p> <p>Review the project with the pupils. Class discussion with all the completed projects on view. The principle of constructive criticism when discussing others work.</p> <p>Good examples and why. What improvements could others have made?</p> <p>All pupils to complete an evaluation work sheet to review their product and their own performance during the rotation. Peer check to promote discussion.</p>
<p>WEEK 13 wc 2nd December PAZ assessment</p>	<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 th December	<p>Electrical and Electronic systems – Glowing display project</p> <p>Pupils will be introduced to the principles of Electrical and Electronic systems:</p> <ul style="list-style-type: none"> • Simple circuits and components • Organising and representing electrical systems • Programmable components

<p>WEEK 15 wc 16th December</p>	<p>Design brief and Initial ideas –Glowing display 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">• 3D sketches – using isometric as a basis for sketching• Colour – to enhance form and texture• Annotation – to aid understanding and record intentions <p>Pupils to complete 2 initial ideas demonstrating the correct method of idea production. They should consider their target market and material properties.</p>
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