

CURRICULUM OVERVIEW: DESIGN AND TECHNOLOGY YEAR 8

Year	Term	Unit/s of Work	Assessment	Skills to be covered
8	1	Super Hero Clock <ul style="list-style-type: none"> • Tone & Shading • Rendering for Design • Designing Products • Using hand tools to create quality products 	<ul style="list-style-type: none"> • Further investigation into the process of metal casting and finishing techniques • Design ideas – Ability to generate a range of suitable design proposals to suit the design brief • Development – Ability to develop a chosen design idea and justify improvements • Making – Ability to produce a quality and functioning final product • Evaluation – Students will evaluate their final product against the specification and design brief 	<ul style="list-style-type: none"> • Using hand tools to form and shape man made woods • Finishing man made woods to a high standard • Assembling pre bought components
	2	Pewter Cast Jewellery <ul style="list-style-type: none"> • Research Existing Products • Theme & Mood Board • Properties of Metals • Design Development • Introduction to CAD/CAM • Casting with Pewter • Workshop Practices • Testing & Evaluation 	<ul style="list-style-type: none"> • Further investigation into the process of metal casting and finishing techniques • Design ideas – Ability to generate a range of suitable design proposals to suit the design brief • Development – Ability to develop a chosen design idea and justify improvements • Making – Ability to produce a quality and functioning final product • Evaluation – Students will evaluate their final product against the specification and design brief 	<ul style="list-style-type: none"> • Using 2D Design • Melting and casting pewter • Finishing metals: filing, abrasive papers and polishing • Cutting using a junior hacksaw • Drilling using a pillar drill

	3	<p>Storage Box</p> <ul style="list-style-type: none">• Methods of joining wood• Designing• Traditional manufacturing skills• Using CAD/CAM to manufacture products	<ul style="list-style-type: none">• Further investigation into the process of joining materials and common tools and equipment.• Design ideas – Ability to generate a range of suitable design proposals to suit the design brief• Making – Ability to produce a quality and functioning final product• Evaluation – Students will evaluate their final product against the specification and design brief	<ul style="list-style-type: none">• Using 2D Design• Using the laser cutter• Using traditional equipment to complete finger joints• Sanding and finishing wood materials• Using pre bought components to assemble products
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