

## Year 9

1 lesson per week

Timing	Unit Title	Key Question	Knowledge	Assessing Understanding
Project 1 (1 term)	Pewter Cast Jewellery	Design and make an item of jewellery	<p>Design – knowledge and skills</p> <ul style="list-style-type: none"> <li>● Collecting relevant research</li> <li>● Conducting a client interview</li> <li>● Presenting a client profile with reference images and thumbnail sketches</li> <li>● Generating ideas linked to a given brief</li> <li>● Ideas avoid design fixation</li> <li>● Ideas are viable with casting techniques</li> <li>● Free-hand isometric sketching</li> <li>● Hand rendering</li> <li>● 2D computer aided design</li> <li>● Modelling</li> </ul> <p>Manufacture of metalwork</p> <ul style="list-style-type: none"> <li>● Workshop health and safety</li> <li>● Learn how metal can be set into different shapes using the pewter casting process.</li> <li>● Be able to classify metals as ferrous, non-ferrous or alloy.</li> <li>● Be able to identify the properties of specific metals and explain why they are suitable for given applications.</li> <li>● Operate a casting unit safely</li> <li>● Work with a range of tools and equipment to cut, shape and finish metal.</li> <li>● Use metal finishing processes</li> </ul>	<p>Research and Thumbnails</p> <p>Practical outcome – pewter cast jewellery</p> <p>EOY Test - Theory and design skills</p>

<b>Project 2</b> (1.5 terms)	<b>Clock</b>	<b>Design and make clock based on an architectural style or architect of own choice.</b>	Design – knowledge and skills <ul style="list-style-type: none"> <li>● Be able to identify key features of a range of architectural styles/architects</li> <li>● Collecting relevant research – architectural styles/architects work</li> <li>● Thumbnail sketches</li> <li>● Presenting materials tests</li> <li>● Generating ideas linked to a given brief</li> <li>● Ideas avoid design fixation</li> <li>● Ideas are viable with woodwork and thermoforming techniques</li> <li>● Ideas show understanding of 3D structures</li> <li>● Developing ideas through model making</li> </ul> Manufacture using timber based materials and plastics <ul style="list-style-type: none"> <li>● Use hand tools to make wood joints</li> <li>● Using lamination to form wood into curved forms</li> <li>● Workshop health and safety –thermoforming equipment, scroll saw, band facer</li> <li>● Laser cutting</li> <li>● Using wood finishes</li> </ul>	Research Page Design Ideas Practical outcome
<b>Project 3</b> (0.5 terms)	<b>Food Box Delivery</b>	<b>Develop a range of recipes cards that could be used in a food box delivery company</b>	Cooking Skills <ul style="list-style-type: none"> <li>- To create a range of quick, healthy meals (fajita/stir fry, fried rice/risotto, bread rolls/breakfast muffin)</li> <li>- Use of hob, oven, knife, scales, measuring jug</li> <li>- Develop organisational and management skills.</li> </ul> Healthy Eating	2 completed recipe cards for two different meals

			<ul style="list-style-type: none"><li>- Understanding of the importance of nutritious meals that can be cooked in a time restricted manner</li></ul> <p>Design Skills</p> <ul style="list-style-type: none"><li>- Develop skills in corel vector</li><li>- Create engaging and easy to follow recipe cards.</li><li>- Gain an understanding of the usability of a product</li><li>- Working to quick deadlines</li><li>- Editing skills</li></ul>	
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