

Y8	Working Towards	Expected Standard	Greater Depth
	By the end of the year 8 students should be able to:	By the end of the year 8 students should be able to:	By the end of the year 8 students should be able to:
<b>DESIGN</b>	<b>Engineering - Celtic Jewellery/Key fob Casting Project</b>		
	<p>Apply knowledge from year 7 to study Celtic Iron Age pattern designs.</p> <p>Create a list of design criteria including function, style and materials .</p> <p>Generate hand sketches, using research.</p>	<p>Study Celtic Iron Age people, their history, and pattern designs, presenting a range of information and images to aid design.</p> <p>Create a specification to inform the design of function, style and materials and users needs.</p> <p>Generate hand sketches, which will be translated into CAD drawings.</p>	<p>Study Celtic Iron Age people, their history, geography and pattern designs, presenting a range of information and images that help to identify and understand user needs and explain why.</p> <p>Independently develop a specification using ACCESSFM.</p> <p>Successfully generating creative ideas, using CAD: drawing on their research and having a clear understanding of the purpose of research is needed.</p>

MAKE	<p>With help use the workshop hand tools, techniques, processes, equipment and machinery safely.</p> <p>With help and use a range of materials understanding their basic properties.</p>	<p>Follow a teachers demonstration and use the workshop hand tools, techniques, processes, equipment and machinery safely, with some accuracy.</p> <p>Follow a teacher's demonstration and use a range of materials understanding their basic properties.</p>	<p>Use specialist tools and equipment safely and precisely.</p> <p>Independently and accurately use materials to create a well finished product.</p>
EVALUATE	<p>With prompt questions select successful aspects of Celtic patterns to develop creative ideas of their own.</p> <p>Test and evaluate their own ideas against a specification.</p> <p>Superficially critique the work of their peers.</p>	<p>Independently select successful aspects of Celtic patterns to develop creative ideas of their own.</p> <p>Test, evaluate and refine their own ideas against a specification.</p> <p>Confidently critique the work of their peers.</p>	<p>Confidently analyse the work of others, be able to select successful aspects of a product and use them to develop creative ideas of their own.</p> <p>Test, evaluate and refine their own ideas against a specification and confidently discuss with their peers.</p> <p>Confidently critique the work of their peers and suggest modification.</p>
TECHNICAL KNOWLEDGE	<p>Have a basic understanding why the materials have been selected for their product.</p>	<p>Know the properties of pewter and why it is a suitable metal for casting.</p>	<p>Suggest other materials that are suitable for casting.</p>

