



Technology Department Year 8, long term planning

Week	36	37	38	39
W/C Date	25-Jun	2-Jul	9-Jul	16-Jul
Topic	Know the terms scribe, hacksaw and burr. Understand how to mark out and cut metal. Practise hand tool skills safely.	Know the terms jig and countersink. Understand how to countersink your coat hook. Practise hand and machine tool skills though completing your coat hook. Teacher – demonstrate using jigs and countersinking.	Know the terms emery cloth. Understand how a jig is used to bend your coat hook accurately. Demonstrate independent learning skills by assessing practical work and ensuring you are ready to move on to different stages of work.	
Key Objectives	<p>Task 1 – The teacher to demo marking out metal using steel rule, set square and scribe. Pupils to follow instructions from teacher.</p> <p>Task 2 – The teacher will give a demo explaining the difference between cross and draw filing. Pupils will cross and draw file edges of material to remove waste.</p> <p>Task 3 – Pupils must start a diary of making. It must contain: name, title, each step, tools used, mistakes and solutions.</p>	<p>Task 1 – The teacher will demo cross filing and draw filing the surfaces of the coat hook to reveal a cleaner surface.</p> <p>Task 2 - The teacher will demo using a pillar drill and jig to drill the holes of the coat hook. The teacher will also explain how to countersink the holes and why this is done.</p> <p>Task 3 – Pupils will add to their diary of making. They must also include a list of key terms they have learnt throughout the project.</p> <p>Pink guide sheets to be used again.</p> <p>Exemplar metal to show different stages of finish will be used for pupils to compare their work against.</p>	<p>Task 1 – The teacher will demo using emery cloth, wet & dry paper and the buffing machine to finish metal surfaces. (a video can be shown on how to safely use the buffing machine, this is saved in the technology area)</p> <p>Task 2 – Pupils will use a jig and rubber mallet to bend their coat hook into shape. This will be supervised by a teacher.</p> <p>Task 3 – Continue to add to diary of making. Pupils must include problems and solutions they have come across throughout the project.</p>	
Assessment	Students should be able to: mark out steel using correct equipment	Students should be able to: remove unwanted material and shape steel in a safe and efficient manner	Students should be able to list different finishing techniques for steel.	
Homework	Engineering diary	Engineering diary	Engineering diary	Engineering diary

Department Year 8 grades 3-8 long term plan

	Assessment weeks
	Moderation week
	Data Capture
	STAR marking
	Exit Poll

Key Skills to be Covered

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