

2024 Scope & Sequence – Year 10 Industrial Technology Metal



Term 1	Week	1	2	3	4	5	6	7	8	9	10	11	
	Topic	Workshop Safety Refresh	Welding Skills and Techniques – (Tool Equipment and Techniques)			Workshop Stool Project – (Tool Equipment and Techniques)							
	Content	WHS & OnGuard Safety		Societal & Environmental Impact		Mig Welding 101	Links to Industry		Folio set up / SketchUp		Construction Steps & Cutting list		Drawing SketchUp
	Assessment	Task 1 Industry Study Assessment Task Due Week 8											

Term 2	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Workshop Stool Project – (Tool Equipment and Techniques)										
	Content	Lathe Introduction and use	Ferrous & Non-ferrous metals		Metal Fixing Brazing		Metal fixing Spot welding & Soft Soldering		Protective Coatings Use & Application		Folio Catchup	
	Assessment	Task 2 Workshop Stool Practical project & Production Folio Due Week 10										

Term 3	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Jaffle Iron Project – (Tool Equipment and Techniques)										
	Content	Folio Catchup	Forging and Wrought Iron work		SketchUp Drawing Jaffle Iron		Heat Treatment “Blueing”		Tool Maintenance		SketchUp Drawings	
	Assessment	Task 3 Jaffle Iron Practical project & Research Task Due Term 4 Week 2										

Term 4	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Jaffle Iron Project – (Tool Equipment and Techniques)				Small Boat / Kayak Anchor – (Tool Equipment and Techniques)						Clean Up
	Content	CNC, Laser, Plasma Cutting		New and Emerging Technologies		Design sketches & Drawings		Metal Trades Apprenticeship’s & opportunities				
	Assessment	Task 3 Jaffle Iron Practical project & Research Task Due Week 2										