The Warren Comprehensive School AVCE Log Book

Engineering Processes – Skills Sheet

	Skill	Reference	e
	Material removal (Machine) Centre lathe (Manual) Centre lathe (CNC) Milling machine (Manual) Milling machine (CNC) Pillar drill Material removal (Hand) Hacksaw/Junior hacksaw/Coping saw/Tenon saw	 1a 1b 1c 1d 1e 	
	 File – Appropriate shape and course Tin snips 	• 2b • 2c	
4.	Shaping Vacuum forming Injection moulding Sheet bending (Cold) Sheet bending (Hot) Casting Assembly and Joining Welding Brazing Soldering Adhesive Threaded Riveting Heat and Chemical Treatment Case hardening Tempering/annealing Chemical etching	 3a 3b 3c 3d 3e 4a 4b 4c 4d 4e 4f 5a 5b 5c 6a 6b 6c 	
7	 Polishing (machine) Production plan for process 	• 6c	
	Service plan for equipment used		
	Risk assessment for the activity		