

Introduction to Tools and Techniques – Spring 2019

SESSION	LEADER(S)	CONTENT	DATE
1. Introduction to Men In Sheds Winslow	Dave & Colin	Background, formation, structure, membership, location, facilities, safety	7 th March
2. Simple cooking	Dave	Preparing a simple but tasty stir fry including basic food hygiene, choice of ingredients, food preparation, cooking and consumption	14 th March
3. Woodwork - basic bench work.	Tony	Marking-out timber, holding work safely, hand-sawing using tenon, coping and panel saws. Success using chisels and hand planes.	21 st March
4. Machine sawing – circular saws, hand-held saw, chop saw and table saw.	Tony	Overview of each machine including key safety aspects and main applications. Preliminary checks before use, PPE required, checking effective dust extraction. Setting up for one-off and repeat jobs.	28 th March
5. Machine sawing – bandsaws.	Brian	Overview of the machine including key safety aspects and main applications. Preliminary checks before use, PPE required, checking effective dust extraction. Setting up and safe operation.	4 th April
6. Machine sawing – fretsaw and jigsaw.	Tony	Overview of each machine including key safety aspects and main applications. Preliminary checks before use, PPE required, checking effective dust extraction. Setting up and safe operation.	11 th April
7. Machine planing – preparing timber using planer and thicknesser.	Tony	Overview of planing machine, thicknessing machine and combined machines. Purpose of each machine in timber preparation. Key safety aspects checks before use. PPE required, checking effective dust extraction. Setting up and safe operation.	18 th April
8. Wood finishing. Sanding and finishing tools.	Tony	Appropriate and safe use of hand-held belt and orbital sanders, bench-mounted finisher and disc sander. Hand sanding and cabinet scraper. PPE required and dust control.	25 th April
9. Routing 1 – hand held and table router	Tim	Overview of the machine, controls and tool bit selection. Main and possible applications of machine routing. Guiding the cutter using the main fence, bearing guides, ring fence and jigs. Tool bit mounting, setting up machine including key safety checks before use. Setting-up and using the router table.	2 nd May
10. Routing 2			9 th May
11. Using a bench grinder.	Tim	Safe use of bench-mounted grinder for off-hand grinding of cold chisels, garden tools, drills etc. Preliminary checks, PPE required.	16 th May
12. Sharpening and setting woodworking edge tools.	Tim	Using horizontal wet-grinder for chisels and plane irons. Use of oil stones for honing, how to set up a plane.	23 rd May
13. Woodturning	Tony	Machine overview and setting up for between centres (spindles) and chuck work (bowls, finials etc.). Preparing material for turning. Types of tool and principles of operation. Toolrest setting, speed selection and tool presentation. PPE required and dust control.	30 th May

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14. Basic metalworking at the bench.	Brian	Marking out, filing, sawing, drilling and thread cutting.	6 th June
15. Welding overview.	Tim	Principles of welding. Choosing appropriate technique for given tasks. Setting up and using MMA (Arc or stick welder) and MIG welders. PPE required, safe operation.	13 th June
16. Centre lathe turning.	Brian	Machine overview and setting-up for between centres and chuck work operation. Tool selection and mounting. Tailstock drilling, surfacing and facing operations. Speed selection and machine operation. PPE required.	20 th June
17. Wood and Metalwork Drills and drilling	Brian	Choosing the right drill for the job, safe use of cordless, corded and pillar drills.	27 th June
18. Pottery 1	Ali	Introduction to facilities and overview of ceramic techniques from wet clay to fired and glazed masterpiece!	4 th July
19. Pottery 2	Ali	Introduction to facilities and overview of ceramic techniques from wet clay to fired and glazed masterpiece	11 th July
20. Air tools – using a compressor.	Dennis	Machine overview, preliminary safety checks. Use of blow gun, tyre inflator and air-shears.	18 th July