

TRAINING MATERIALS LIST

The following materials are required to carry out the training tasks on each machine. Please ensure these are prepared in advance of the training, as locating and finding materials can take up a lot of time. Slight variation in size is ok, but please advise of any problems. Depending upon the machines you have, the same piece of material can be used several times.

YOU ONLY NEED TO PREPARE MATERIALS FOR THE MACHINES TO BE USED.

Circular Saw

| | | |
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| Softwood | 50x100x750 | per person |
| Ply/MDF | 6 x 1200x1200 | One required to demonstrate sheet cutting |

Band Saw

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| Ply/MDF | 6x400x400 | One required for circle cutting demo |
| Ply/MDF | 6mm sheet | offcuts |
| Softwood | 25x50x250 | Use material from circ saw. |

Radial Arm/Chop Saw

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| Softwood | 50x50x750 | Per person. Use offcut from circ saw |
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Planer/Thicknesser

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| Softwood sawn | 50x100x750 | per person-(plane first then cut on circ saw) |
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Power Fret Saw

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| Plywood | 4x150x150 | per person |
| Acrylic | 3x100x100 | per person |

Wood Lathe

Close grained hardwood suitable for turning ie straight grain, free of knots.

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|---|----------------------------|------------|
| 1 | For bowl. 100x100x50 thick | per person |
| 2 | For spindle 40x40x300 long | per person |

Beech, Cherry, Ash, Mahogany derivatives are all suitable. Good quality knot free straight grained softwood may be suitable for spindles.

Metal Lathe

Aluminium dia 20x100 per person

It is possible to use mild steel, but Aluminium is preferable, cuts quicker and less demand on tool bits.

Off Hand Grinder

A selection of drill bits, centre lathe tools and centre punches which require sharpening

Heat Area

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| Mild steel strip | 3x15x100 | per person |
| Copper/brass sheet | 50x50 | per person |
| Silver steel/tool steel | dia 8x100 | per person |

Oxy Acetylene Welding

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| Mild steel sheet | 20 SWG | 100x50 | 4 per person |
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MIG Welding

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| Mild steel sheet | 16 SWG | 100x50 | 4 per person |
| Mild steel plate | 3x50x100 | | 4 per person |
| Mild steel tubing, square, thick wall | | | various off cuts |

Portable power tools

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|-----------------------|-----------------|------------|---------------------|
| Router | Planed Softwood | 25x125x500 | per person |
| Planer | Softwood | 50x50x300 | per person |
| Biscuit cutter | MDF | 18x150x150 | 4 per person |
| Jig Saw | MDF/Ply | 6x300x300 | 1 per person |
| Portable circular saw | Softwood | 50x50x500 | Use planer material |
| | Ply/MDF | ½ sheet | |

Milling machine

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| Aluminium | 30x30x75 | 2 per person if horizontal milling is possible |
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