

Tool Requirements

The online course features projects that can be made exclusively using hand tools, and in a small home workshop, but there is a requirement for tooling and equipment. Some of the advanced projects do require the use of a router and certain router bits.

Some of the set up and material processing would certainly be easier if you have access to a table saw / planer thicknesses / bandsaw, but there are ways to work around this, as many timber yards can supply planed all round (PAR) boards to various dimensions, and even specified dimensions. We're unable to recommend timber supplier outside of the UK without having used them, but please tell us about your preferred suppliers and we will add them to our supplier list, which can be found in Discord.

We recommend having the following hand tools and equipment for the projects in the W&A Maker Online membership:

HAND TOOLS

- A block Plane
- A bench plane - No.5 or 51/2 jack plane would be ideal
- A set of chisels - like this <https://www.workshopheaven.com/ashley-iles-mk2-bevel-edged-cabinetmakers-chisels-set-of-6/>
- Dovetail saw or Japanese Fine saw (>12tpi)
- Router Plane (Required for the Wall Hanging Cabinet if hand cutting the door tenons)
- Spokeshave with a curved sole
- Fret Saw (The 5" Jewellers saw by Workshop Heaven is an excellent choice)

NOTE - Axminster Rider Series are great quality on a budget. Quangsheng for mid budget, and Lie Nielsen / Clifton / Veritas for higher end budgets. Great results can be achieved from all these brands when prepared and set up correctly, which we will show you how to do in our Tool Preparation video tutorials.

CARVING CHISELS & EQUIPMENT

Chisels used in tutorial videos are by Pfeil, from Classic Hand Tools: <https://www.classichandtools.com/shop-by-brand/pfeil/pfeil-medium-sized-tools/c758>

- Chisel Reference Numbers: D7/14, D5/12, D8/4, D12/4, 5a Spoon Gouge 20-25
- Sharpening stones & strops for carving chisels:
 - <https://www.workshopheaven.com/suehiro-shaped-waterstone-for-carving-tools-280-grit/>
 - <https://www.classichandtools.com/stones-for-carving-tools/p1138>
 - <https://www.workshopheaven.com/premium-italian-leather-strop-and-chromium-oxide-paste-copy/>

WORKSHOP EQUIPMENT

- Workbench
- Shooting Board (We have a video on how to make a shooting board but these can be purchased too, from places like Workshop Heaven)

- Bench Hook
- Bench Lamp (Very useful for close work, especially chiselling)

SHARPENING EQUIPMENT

Scary Sharp System for blade sharpening:

- Float Glass (minimum 10mm thick, 15mm preferable) NOT TOUGHENED OR TEMPERED GLASS! Available from many online glass suppliers or from Workshop Heaven
- 3M Sharpening Film (100, 40, 15, 9, 3 Micron. Extra 100 micron sheets if you have a lot of regrinding and plane flattening to do) - Workshop Heaven (hard to get outside of the UK but they do ship internationally).
- A rubber roller (Not essential, but very handy)
- Veritas Honing Guide
- GT85 lubrication Spray
- A scraper to remove old film
- Some thinners to remove glue residue from the old film (acetone, turpentine, white spirit)

MEASURING AND MARKING TOOLS

- Steel measuring rules (150mm and 300mm)
- Mini Engineers Square (50mm or 100mm)
- Combination Square (300mm) The Starrett is superb quality, but cheaper options available
- Mini Starrett Combination Square - a 'nice to have' tool for dovetails
- Marking Gauge and pencil gauge
- Marking knife or scalpel
- Digital Callipers are very useful
- A set of feeler gauges
- Veritas Dovetail Saddle Marker 1:8

WOODWORKING CLAMPS

- Four small sash clamps
- A few quick release clamps
- Bench dogs for your workbench
- A bench hold down is very handy but not essential
- Sandpaper (80, 120, 150, 180, 240, 300) (Also see [Mirka Sanding Block](#) for dust free hand sanding)

POWER TOOLS

- Router and router bits (required for some of the advanced projects)
- Router Table (Very useful but not essential)
- Domino Jointer or Biscuit Jointer (Very useful but not essential)
- Jig Saw - Not essential, but good for ripping up sheet material (then squaring off using a router)

OILS & FINISHING

We will demonstrate the use of various oils during the online course, but this will end up being a personal choice. However, it's worth trying out the following oils and seeing what you like the best. These are all ones that we would use in the workshop.

- Rustins Original Danish Oil
- Liberon Boiled Linseed Oil
- OSMO (They have an extensive range, but we often use Clear Satin 3032, Natural Raw 3044, but they also have a range of food safe oils for chopping boards)
- Uulki Oil / Oil and Wax / Furniture Oil (A plant based vegan option that does work well)
- Handy to have some thinners, cotton scraps, blue nitrile gloves (some oils may dissolve non nitrile gloves)

NOTE - never leave oily rags in your workshop, they are combustible!

GLUES

For all our online projects, you will be fine with PVA wood glue. There are many varieties, but we use the following:

- Evo Stik Wood Glue (Classic Green bottle) Highly recommended.
- TiteBond II or III (Waterproof - not so good on paler wood)
- Cascamite (Need to be very precise with the mix or risk joint failure further down the line)
- Glue brushes

TIMBER

Find your local supplier or see our timber supplier list for details. For Planed All Round (PAR) timber of various sizes, we would recommend Tools & Timber in Penrith, UK. They will deliver nationwide for a cheap price and you'll be able to get great quality hardwood to exact specifications. <https://www.toolsandtimber.co.uk/> - A list of timber suppliers are also available on our Discord channel.

We can't recommend timber supplier outside of the UK without having used them, so you will need to do your own research, but many larger suppliers will be able to supply PAR timber for your requirements.

For sheet material like MDF, you can pick this up from most large hardware stores - some may even be able to cut to exact dimensions for you - or even Ebay or Amazon (but often more expensive for smaller cuts)

TOOL SUPPLIERS

For UK Tool suppliers, we recommend - [All Have International Shipping Available](#)

- Workshop Heaven - <https://www.workshopheaven.com/>
- Classic Hand Tools - <https://www.classichandtools.com/>
- Axminster Tools - <https://www.axminstertools.com/>