

Here is a list of wood working terminology. **Do you know them**  
**If not, look them up in a dictionary.**

chopping  
cutting  
sawing  
planing  
grinding  
sanding  
turning  
drilling  
sinking  
dovetailing  
milling  
frasing

## Exercises →

### 3 Woodworking with Handtools



Sammy has asked Mary to visit the woodwork department. Mary is greatly interested in the tools and techniques the woodworkers use.

**Mary:** *What tools do you use for measuring?*

**Sammy:** *I use a right angle, yard stick, tape measure and marking gauge. A carpenter uses a wooden rule, you know: one he can fold up. Calipers are used to measure thicknesses.*

**Mary:** *Those measuring devices are familiar for me at the goldsmith 's workshop. I see you have a knife for wood carving and whittling and an axe for hewing, but what do you do to get the surface nice and even?*

**Sammy:** *If I want a smooth surface after carving and whittling, I smooth out the surface with abrasive material or a plane. Very often a slight irregularity on the surface gives the work a touch of hand-made feeling, so I usually don't smooth my work out too much.*

**Mary:** *You have many different kinds of saws. The bow saw is for sawing timbers, but what do you use that jigsaw for?*

**Sammy:** *I can saw very precisely and exactly with it, like when I 'm sawing grooves for joints. I also use a jigsaw for sawing thin or curved pieces of wood.*

**Mary:** *How can you saw angles?*

**Sammy:** *I use a mitre box to guide the blade of the saw. I also clamp down the piece I'm sawing, so that it doesn't move while I'm working.*

**Mary:** *There's again a similarity between our work! - You also have a good selection of planes. I suppose you need each one for a special purpose.*

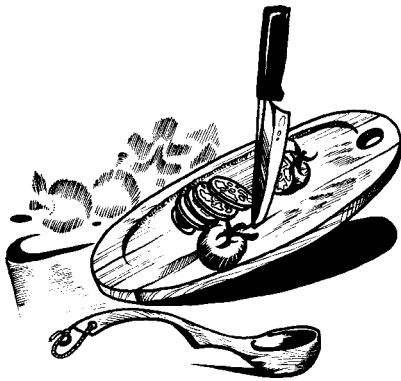
**Sammy:** *You are right. One plane is good for rough planing, another is for finishing. The spokeshave is excellent on curved surfaces. Planing is always done along the grain, by the way. And so with smoothing, too. When I use abrasive paper, I start with a coarser grain and then move on to a finer one, naturally along the grain.*

**Mary:** *rills and bores are familiar to me, too, but I see that the bits you use differ from mine, because I use bits for drilling metal.*

**Sammy:** *Here you can see my chisels and gouges. When I'm making joints I use them, and I also use them for special effects, like giving a rustic look to some object. A gouge is good for making wooden bowls.*

**Mary:** *What I admire about your tools is that they are all clean and well cared for and exactly in the right place near your workbench.*

**Sammy:** *That 's my professional pride: good tools in excellent condition. It makes my working swifter And also have the material use in store near at hand. Over there I have the rough timber, then I have the boards, battens and mouldings arranged according to lengths and widths stacked away carefully in order to avoid them twisting. I also have a special place for the wood treatment materials like waxes, stains, paints and oils. - As you know, wood can be treated in various ways, depending on its use and location. Waxing is a way of treating furniture in the house, but oiling is better for garden furniture and boat decks and such. - This box with compartments has the hinges, hooks, nails and screws and other fasteners I need.*



**Mary:** *You seem to be well e uipped with both machine tools and handtools. What about work safety?*

**Sammy:** *The ventilation here is good enough for removing dust and wood particles, but I like to use a dust mask when I am planing, grinding or using the lathe. A fire extinguisher is near at hand, as you can see, and the emergency switch for the electrical appliances is clearly marked. I even have my own first aid kit.*

**Mary:** *You have some of your products set out nicely on display! owls, wooden spoons, trays and other small objects, and then the bigger pieces of furniture.*

**Sammy:** *It was a pleasure showing you around. aybe we will have our own shop some day: design products in jewellery and wood.*