








## 1. Process; Tools & Equipment

1		Hand held tool used to cut intricate shapes in woodworking
2		Used to <b>cut</b> straight lines in wood, but not deep cuts due to the 'back' on the top of the blade.
3		A piece of machinery used to cut intricate curves and joints
4		Used to check and mark right angles in constructional work
5		Hardened steel in the form of a bar or rod with many small cutting edges raised on its surfaces; used for smoothing or shaping objects.
6		Manufactured from stainless steel and features metric or imperial (or both) scales along its length. One end is usually flat whilst the other end is usually round.
7		A vertical bandfacer used for sanding, finishing & linishing tasks. (making surfaces flat).

## 2. Materials; Softwoods

A collective term for the wood which is produced by **coniferous** trees, almost all of which are **evergreen** and cone-bearing trees can take up to **20 years** before these trees can be used.

1	Pine	Furniture
2	Spruce	Roofing
3	Cedar	Cladding

## 3. Materials; Hardwoods

**Hardwoods** are usually have **broad leaves**, come from **deciduous** or broad-leaved trees and take many years to grow to maturity before they can be used (**100 Yrs**)

1	Teak	Exterior furniture
2	Oak	Interior furniture / Beams in old cottages
5	Beech	Kitchen items & musical instruments.

## 3. Health & Safety

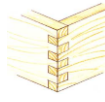
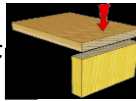
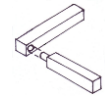

1	PPE	Personal Protective Equipment
2	Safety Goggles	Made from Polycarbonate, designed to protect the eyes from projectiles
3	Ear Defenders	Designed to protect your hearing in loud environments

## 4. Materials; Manufactured Boards

Manufactured boards are timber sheets which are produced by **gluing wood layers or wood fibres** together. Often made use of **waste wood materials**

1	Medium Density Fibreboard (MDF)	Wood particles are combining with glue, and formed into panels by applying high temperature and pressure.
2	Plywood	Consists of two or more layers of wood glued and pressed together with the direction of the grain alternating.
5	Chipboard	Made from compressed wood chips and glues, often coated or veneered to give desired appearance

## 2. Wood Joints

1		Consists of a series of alternate notches and square pins of the same width which are subsequently glued.
2		Coming together of two edges or faces which are glued together.
3		Used to reinforce Butt Joints by drilling holes and inserting round lengths of wood.
4		A type of joint that is fastened by means of a threaded metal rod and a screwdriver.

☐ Sand down all wood (P80,P120,P240,P320,P400)

☐ Apply **woodstain** as a finish will add **colour** to wood, but still allow the natural appearance of the wood to be seen – You will still see the wood **grain**.



Impact screwdrivers and hand drills are **not** the same. To make a screw joint you will first need a **pilot hole**, then a **countersink**.



## Across

2. You will need this type of hole to put a screw into your wood.
3. Wood which come from deciduous trees.
5. Wood particles combined with urea- formaldehyde.
6. Wood which is produced by coniferous trees.
7. Made from compressed wood chips and phenol formaldehyde
10. Simplest type of wood joint.
11. Hardened steel in the form of a bar or rod with many small cutting edges raised on its surfaces; used for smoothing or shaping objects.
13. A machine used for sanding, finishing & linishing tasks.
14. Hand held saw used to cut intricate shapes in woodworking
15. angles in constructional work.

## Down

1. Timber sheets which are produced by gluing wood layers or wood fibres together.
2. Strong thin wooden board consisting of two or more layers glued and pressed together
4. A wood joint which consists of a series of alternate notches and square pins of the same width.
8. General term for health & safety equipment.
9. Features metric or imperial (or both) scales along its length.
12. A piece of machinery used to cut intricate curves and joints

