



***Bench Tools  
(Woodwork)***

## **Week Beginning 20<sup>th</sup> April – BGE Home Learning Task**

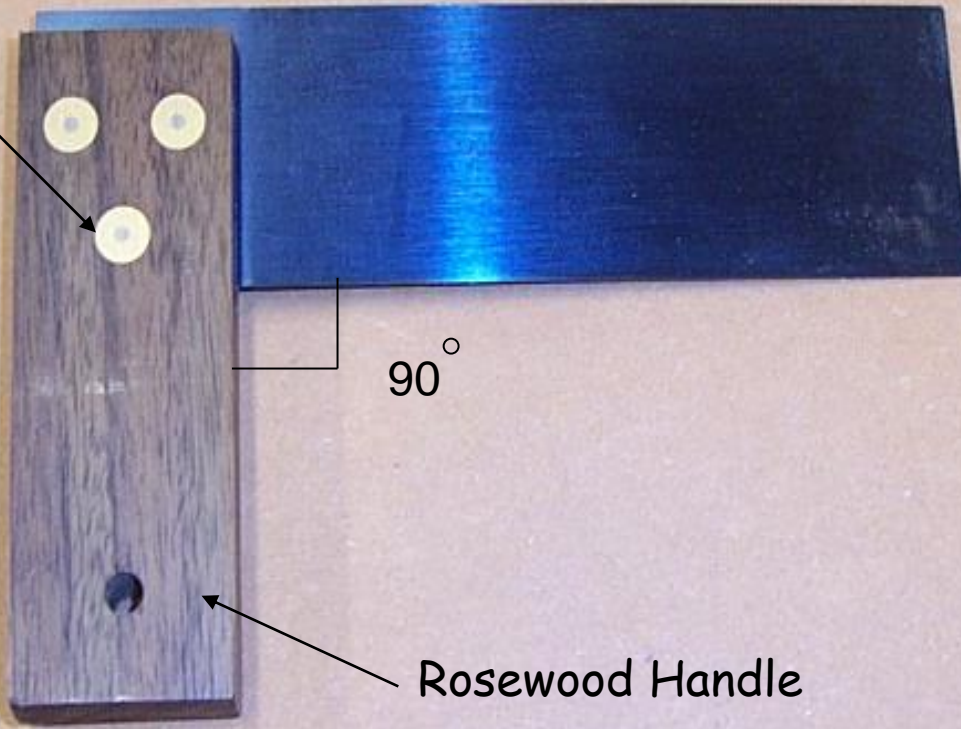
Please click on the link below (or copy and paste into your browser) in order to access and submit your answers.

[https://forms.office.com/Pages/ResponsePage.aspx?id=oyzTzM4Wj0KVQTctawUZKciMnwP7ENBEinsr\\_IU1zO9UQ0E5QIZCNjl4TEhWQzdENUhHUDZ\\_ZQzRKS4u](https://forms.office.com/Pages/ResponsePage.aspx?id=oyzTzM4Wj0KVQTctawUZKciMnwP7ENBEinsr_IU1zO9UQ0E5QIZCNjl4TEhWQzdENUhHUDZ_ZQzRKS4u)

This document contains woodwork tools which you have used in the workshop and will help you to answer the home learning task.

As always good luck and any questions, please ask.

Brass Rivets



90°

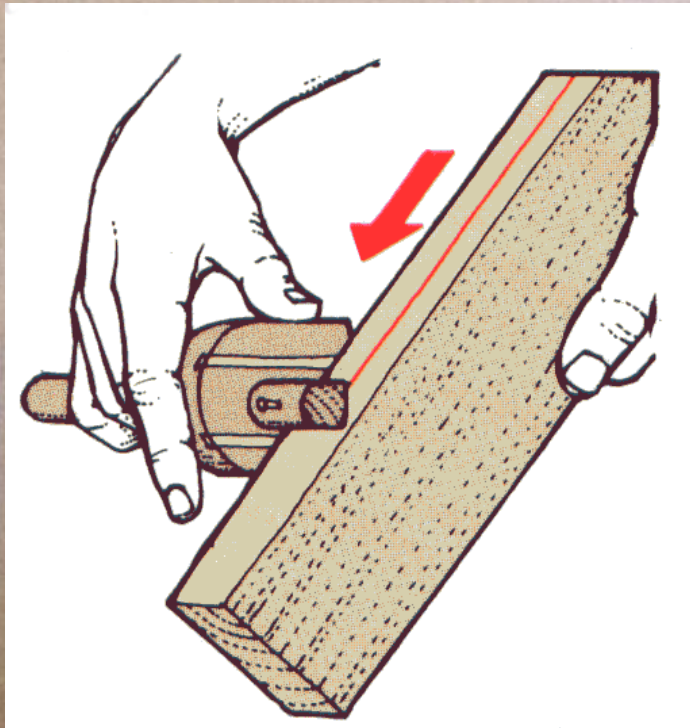
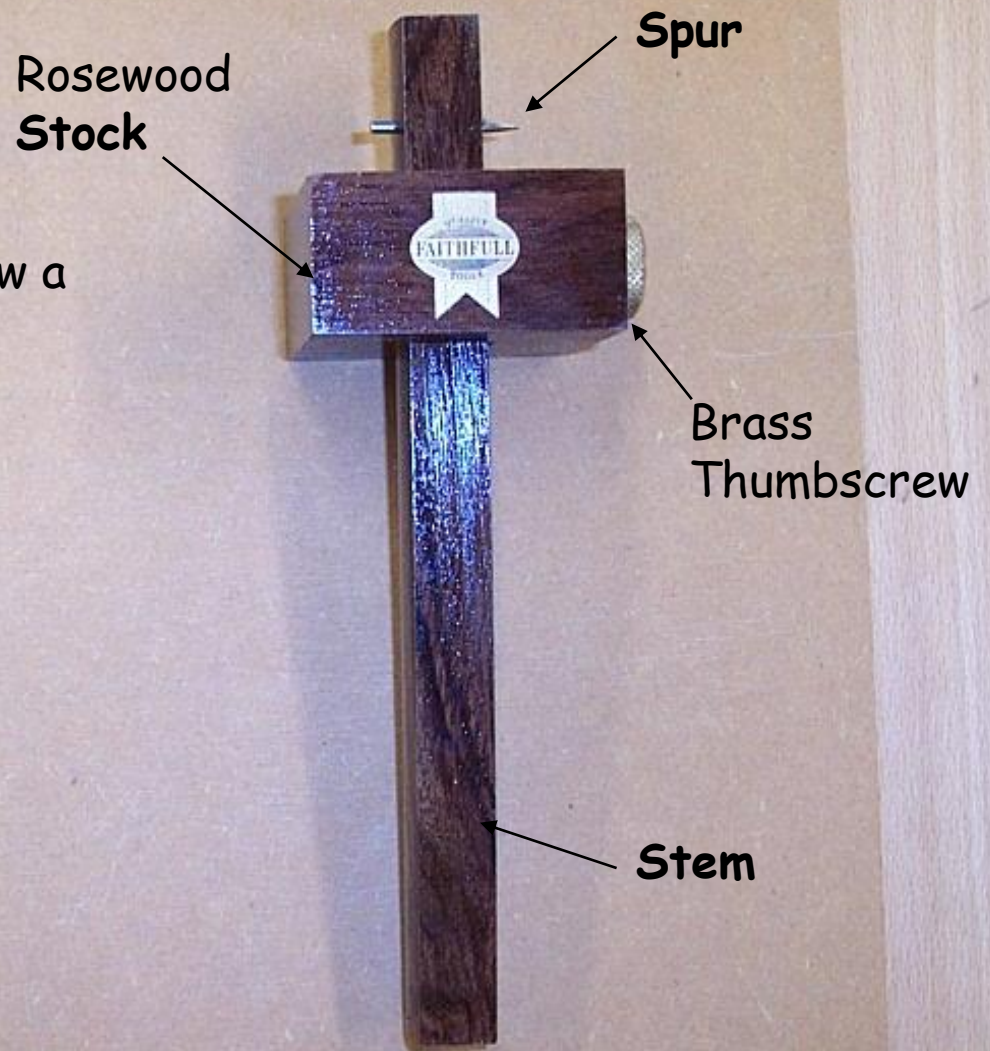
Rosewood Handle

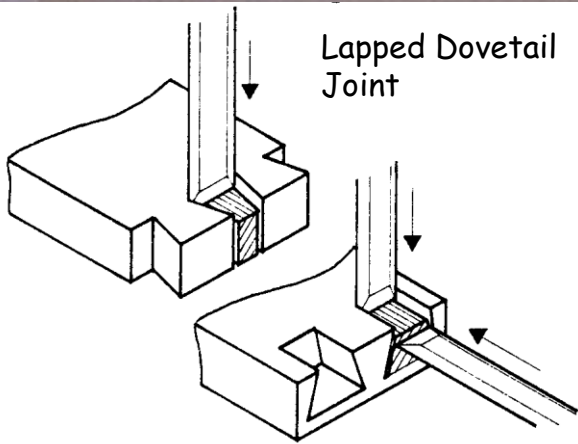
The Try Square is used for marking a line at right angles to an edge

Try Square

# Marking Gauge

The Marking Gauge is used to draw a line parallel to an edge.





### When using a chisel

- 1) Always keep all ten fingers behind the cutting edge,
- 2) Make sure your timber is held securely
- 3) Store your chisel safely when not in use

Tough Plastic Handle

Cutting Edge

The Bevel Edged Chisel is a multi purpose chisel principally designed for cutting dovetails

Bevel Edged Chisel

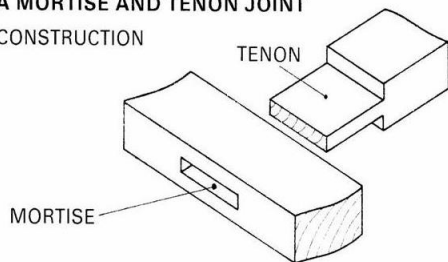
# Mortise Chisel

Metal  
Ferrule

Ash Handle



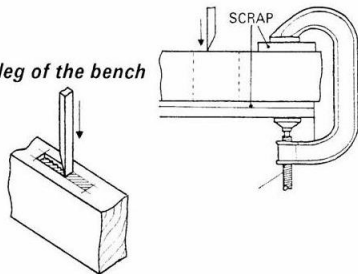
HOW TO MAKE A MORTISE AND TENON JOINT  
USED IN FRAME CONSTRUCTION



*Clamp the wood above the leg of the bench*

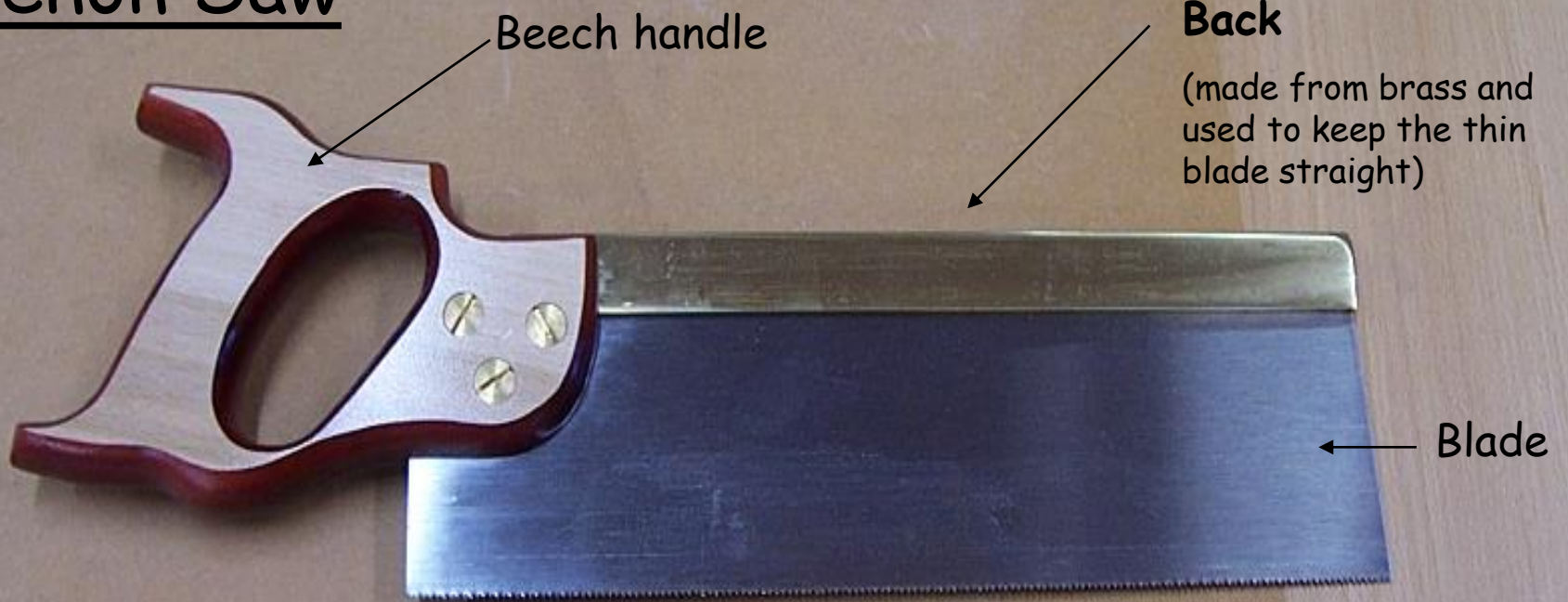
*Use the mortise chisel to  
chop down half way.*

*Turn the wood over and  
chop down the other way*



The Mortise Chisel is used to cut the mortise in a **Mortise and Tenon Joint** the Chisel has a heavy rectangular blade and metal **ferrules** around the handle to prevent the handle splitting when it is hit with a mallet.

# Tenon Saw

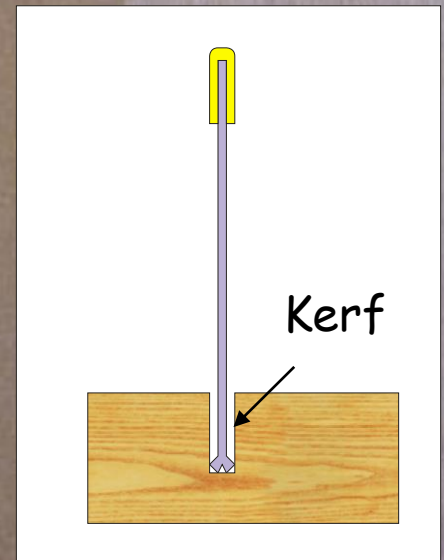


**Back**

(made from brass and used to keep the thin blade straight)

**Blade**

The Tenon Saw is a general purpose bench saw normally used with a saw board to cut straight lines. The **Kerf** is the slot produced by the cutting action of the saw. This slot is slightly wider than the thickness of the blade due to the **set** in the saw teeth



# Mallet

Made from  
Beech

The Mallet is used for striking a chisel and assembling work.

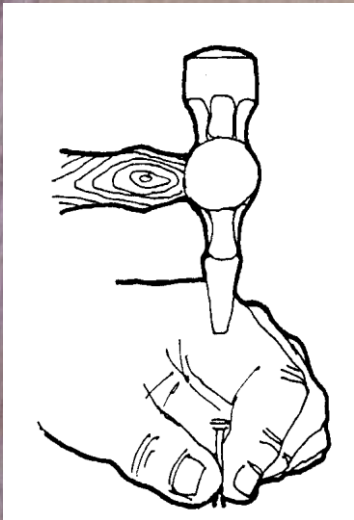


Note: A Mallet should never be used to "hammer" in nails, panel pins or to hit a centre punch. This will damage the face of the Mallet.



# Cross Pein Hammer

Ash Handle



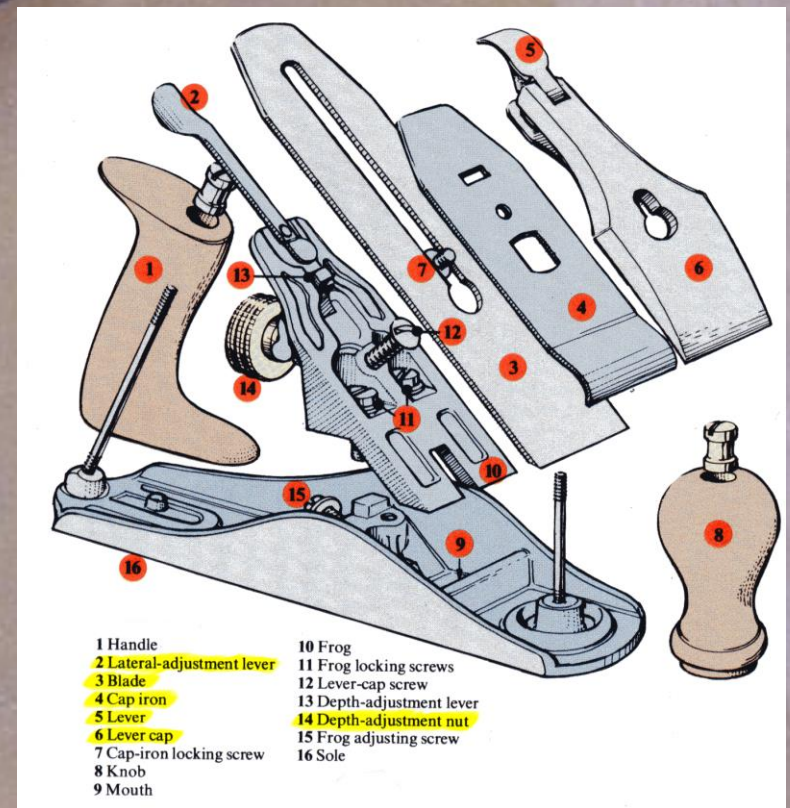
The cross pein  
is used to start  
small nails  
without injury

The Cross Pein Hammer is used  
for driving in nails, panel pins  
and hitting a centre punch.

# Jack Plane



The Jack Plane is a multi purpose bench plane.





Made from Beech

The Saw Board is used to hold timber (and protect the bench) while sawing