

PENANG SANGAM HIGH SCHOOL

P.O.BOX 44, RAKIRAKI

LESSON NOTES-22

School: PENANG SANGAM HIGH

Year/Level: 12

Subject: APPLIED TECHNOLOGY

Strand	AT 12.6 APPLIED TECHNOLOGY
Sub Strand	AT 12.6.1 Carpentry and joinery.
Content Learning Outcome	AT12.6.1.1 Demonstrate knowledge on safety, materials, tools and process and develop practical skills in joinery works relative to building work, doors and fitting and fitments.

TOOLS

COMMON TOOLS USED IN CARPENTRY & JOINERY

There is a wide range of tools in a carpenter and joiner's tool kit. Shown below is a basic list that will enable you to identify, select and use the correct tools required to construct and repair a prefabricated structure.

Claw hammer

The tool that everyone associates with the carpenter and joiner. Used to drive in and remove nails from timber and to aid knocking together frames.



Try square

This tool is used to mark square lines around a section of timber. It can also be used to check if the bottom of a joint is level.



Retractable measuring tape

Used to measure long lengths of timber.



Four fold rule

The advantage of the folding rule over a rigid rule is that it closes or folds from 1metre down to 250mm by means of hinges therefore is more easily transported by the joiner. Generally these rules are made of boxwood, but more recently nylon rules have become increasingly popular throughout the trade.

**Handsaw**

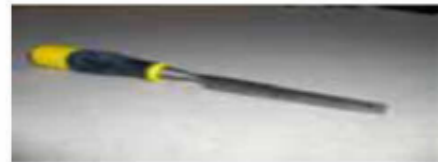
Used primarily for roughing and finishing work on site. These saws are generally discarded when they are blunt.

**Jack plane**

The jackplane is used for rough work and for planing up (dressing smooth) timber from rough stock. It is easy to handle and is used for removing large quantities of material, as in straightening surfaces and reducing thickness.

**Bevel edged chisel**

Although originally designed to allow the joiner to cut into the angle of a dovetail its strength and adaptability soon made it the preferred chisel of the woodworker.

**Spirit level**

Used for leveling out work, and ensuring work is plumb prior to fixing. The level comes in various sizes ranging from 25mm long (a line level) to 1200mm long (bricklayers level).

**Sliding Bevel**

This tool is used for marking any angle that is not 90°. It can also be used to determine angles and bevels of inclined members, e.g. roof rafters. These are only a selection of the hand tools that you may require to complete the tasks.

**SHORT ANSWER QUESTIONS**

Name the tool and its usage:

1) Name: _____

Use:



2) Name: _____

Use:



3) Name: _____

Use:



THE END