



## WEEKLY HOME STUDY PACKAGE - WEEK 1 (05/07/21 – 09/07/21)

<b>Subject</b>	<b>BASIC TECHNOLOGY</b>	<b>Year/Level</b>	<b>10</b>
<b>Strand</b>	4 – Hand Tools and Materials		
<b>Sub-strand</b>	1.1 – Hand tools and appliances		
<b>Content Learning Outcome</b>	❖ Identify and familiarize with basic and common hand tools. ❖ Exhibit the competency in appropriate, safe and effective use of these hand tools.		

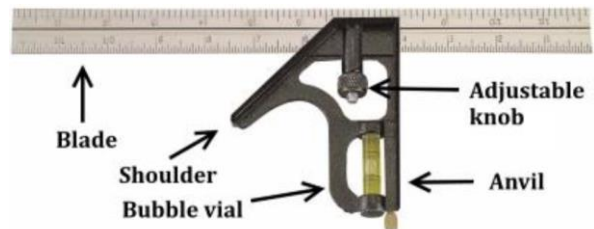
### LESSON NOTES/ACTIVITY:

#### Topic: Hand tools and appliances

#### Notes

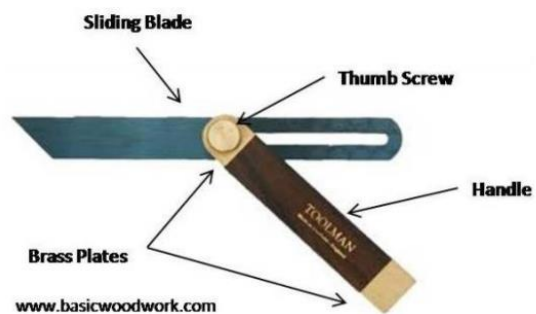
##### 1. Combination Square

A combination square is a tool used for multiple purposes in woodworking. It combines several of the features of measuring and marking tools. The combination square can be used for levelling, as a try square, to determine the squareness of a piece of joint. It can also be used as a saw guide.



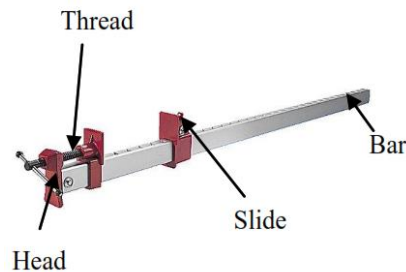
##### 2. Sliding Bevel

A sliding bevel is a tool which can be set to different angles to aid marking out. It is composed of two parts, the stock and the blade. The stock is usually made from rosewood which is a high-quality material. The blade is made from hardened and tempered steel. It is used to mark lines at any angle on a work piece.



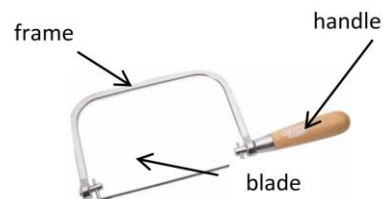
##### 3. Sash Cramps

Sash clamps are used to clamp work together when it is glued. They vary in size and are normally used in pairs. When in use, the sash clamp is placed below the work to be glued / assembled. The slides are arranged on either side and scrap wood is placed between each face and the work. This protects the work when the thread is tightened.



##### 4. Coping Saw

Coping saws are perfect for cutting complex patterns on wood. It has a sprung steel frame with a wooden handle that can be turned to tighten the blade. A coping saw is a pull stroke hand saw.



**Activity Questions**

**Total: 10 Marks**

1) What is a combination square?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

2) What is a sliding bevel?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

3) What are sash cramps?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

4) What is a coping saw?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

5) State two uses of the combination square?

\_\_\_\_\_  
\_\_\_\_\_. (2 Mark)

6) Identify the use of a sliding bevel?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

7) Differentiate between combination square and sliding bevel?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

8) What is sash cramp used for?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)

9) What are coping saws used for?

\_\_\_\_\_  
\_\_\_\_\_. (1 Mark)