



3055 BA SANGAM COLLEGE

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LESSON NOTES

School: Ba Sangam College
Subject: Basic Technology

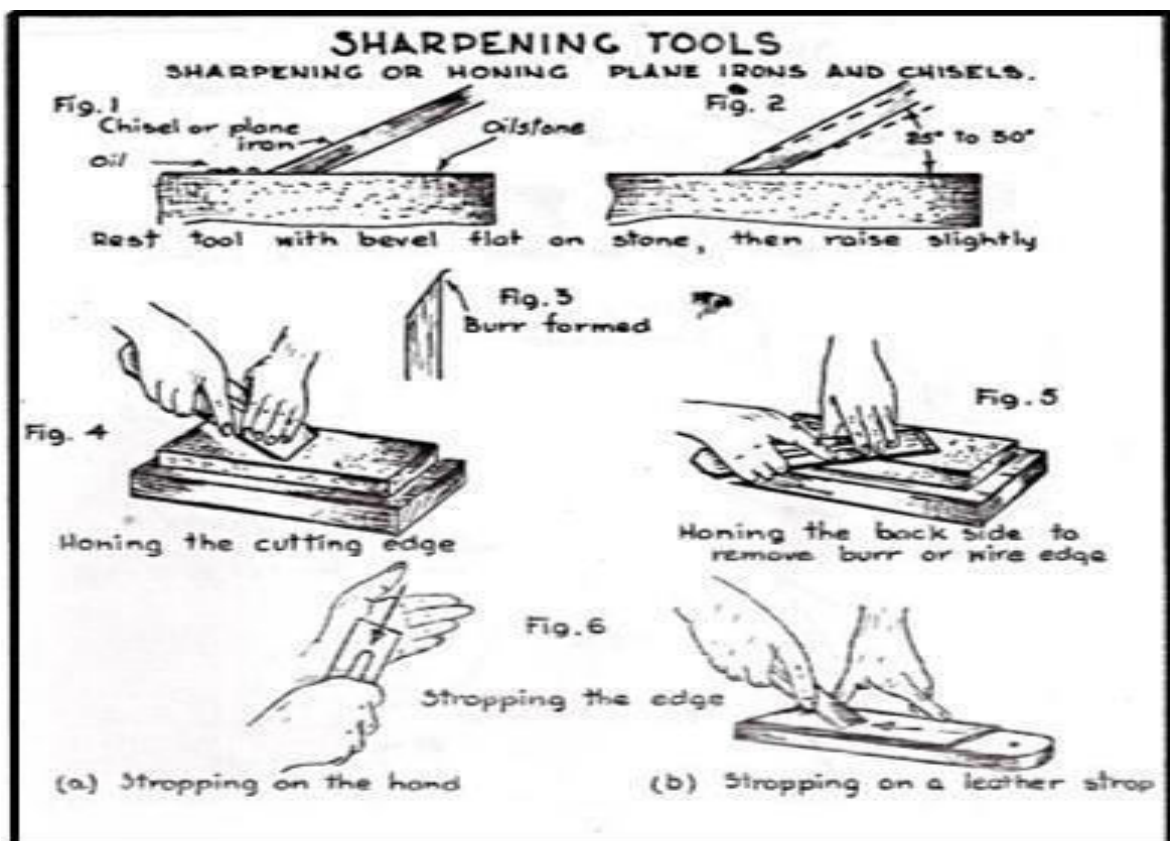
Year/Level: 10
Worksheet 9

Name: _____
Year: _____

Strand	Hand Tools and Materials
Sub Strand	Sharpening Hand Tool
Content Learning Outcome	Learn the steps of sharpening using oilstone

SHARPENING USING OILSTONE

- The oil is used to float off the metal particles deposited on the surface of the oilstone while sharpening.
- Use the whole surface of the oilstone while sharpening to prevent hollows wearing in the middle.



Process of Sharpening Saws

1. Jointing and Topping

If the teeth are found to be uneven, it is necessary to join the saw i.e. to run a file along the tops of the teeth until they are all of even height.

2. Reshaping

Shaping becomes necessary if the teeth are irregular but not necessary after every time the saw is sharpened. Place the saw in the saw vice and file all the teeth, working from one side of the saw. File straight across with the **triangular file** at right angles to the blade.

3. Setting

Setting is always necessary after jointing and shaping. It is the process of bending the adjacent teeth to the opposite sides so that the cut or the kerf made by the saw is slightly wider than the blade. This **gives sawing clearance and prevents jamming when sawing**. Only top third to a half of each tooth is to be bent.

ACTIVITY (10 marks)

1. Why oil is used while sharpening using oilstone?

(2 marks)

2. Why the whole surface of the oilstone is used while sharpening?

(2 marks)

3. Explain the Jointing and Topping process?

(2 marks)

4. What type of file is used in the Reshaping process?

(2 marks)

5. Explain why Setting process is done?

(2 marks)