



3055 BA SANGAM COLLEGE
PH: 6674003/9264117 E-mail: basangam@connect.com.fj



WORKSHEET 12

NAME

YEAR 9

BASIC TECHNOLOGY

STRAND – 4 TOPIC- HAND TOOLS SUB

STRAND-Abrading and cutting tools

Bench Planes

Are hand tools used for reducing the sizes of timber by the action of planing (shaving)

1. Iron Jack Plane – used to square up rough timber to correct size
2. Smoothing Plane – used to produce a final smooth planned surface also for flushing off joints

Hand saws
Has long flexible blades from 500 to 600mm

1. Cross cut saw-

- to cut timber across the grain
- is held at 45 to the wood for best results

• FILES

Tool used for sharpening and for smoothing edges and small curves in wood which are difficult to reach with other tools

TYPES OF FILES

-Round, square, triangular, half round and rectangular

ACTIVITY

1. Draw an Iron jack plane and label its parts
2. State at least one use of these files

Round file

Rectangular file

Triangular file

SOLUTION FOR YEAR 9 BT W/S 11

1. Coping saw – used for cutting curves in thin timber
2. Hack saw – used for cutting thin metal (pipes,tubing) also for cutting PVC pipes
3. Difference a coping saw is used in woodworking while the hack saw is mostly used for cutting metal and plastic

THE END