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WORKSHEET 21

SUBJECT: APPLIED TECHNOLOGY

YEAR 11

NAME:

Strand	4
Sub Strand	Engineering materials
Content Learning Outcome	Learning how to Prepare of Timber

LESSON NOTES:

Preparation of Timber:

The preparation of rough, undressed timber accurately is important to get a good finished job. It is useful to first understand that every piece of timber has six faces: two sides, two edges and two ends and all of these have to be prepared before the piece becomes a suitable project member.

Step 1 Face Side

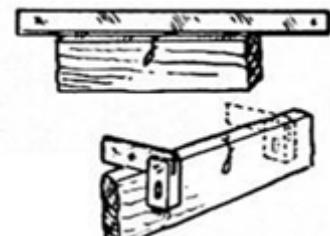
Select the face side and plane it perfectly flat. Test for flatness with winding sticks and straight-edge. Test lengthwise, crosswise and diagonally. Mark with a face side mark pointing to the edge which has been selected as the face edge.



Face Side Mark

Step 2 Face Edge

Plane the face edge perfectly straight and square to the face side. Test for straightness with the straight-edge, and for square-ness to the face side with the try-square. Mark this edge with a face edge mark pointing to the face side.

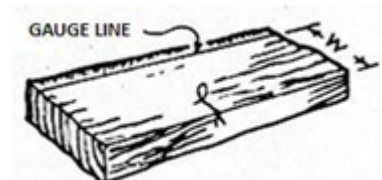


Face Edge Mark

Step 3 Gauges to Required Width

Gauge to the required width on the both sides, using the marking gauge from the face edge. Plane down to the

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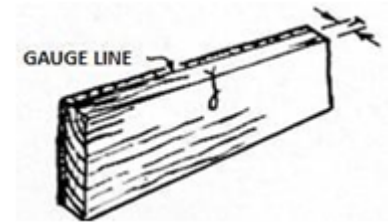


gauge lines. Test for straightness and square-ness.

Step 4 Gauges to Required Thickness

Gauge to the required thickness on both edges, using the marking gauge.

Plane down to the gauge lines. Test for straightness.

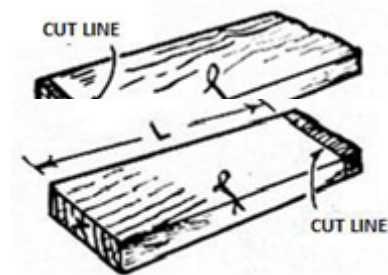


Step 5 Shoot End

Square, cut and shoot (plane) one end. Test for square-ness to face side and face edge.

Step 6 Cut to Size

Measure the required length from the prepared end on the face side and transfer the mark to the face edges. Cut and shoot off waste using a tenon saw or cross-cut saw.



STUDENTS ACTIVITY:

1. Give a reason why we need to prepare timber.

2. Draw the face side mark and the face edge mark.

3. List down the six steps of preparing timber.

Reference:

Year 11 Applied Technology Textbook, MEHA.