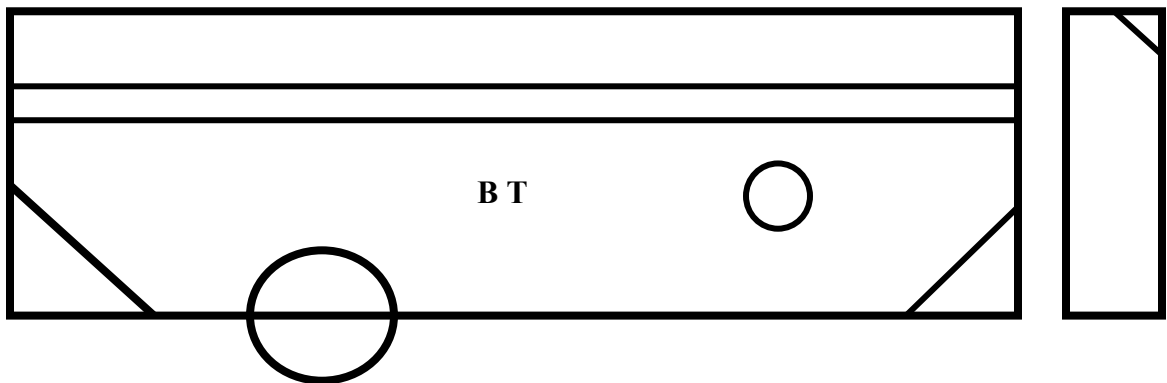


Agriculture Shop Class

Power Tool Board

Name _____

Purpose of this project: The purpose of this project is to give you introductory and/or review work on common power wood shop tools and how to use them in a safe manner.



Project Overview: Using a 1" x 6" x 18" board, you will use a series of tools to fabricate the above board.

1. Start with a board that is 1" x 6" x 18"
2. Rip board to a width of 4.5 inches. – table saw
3. Plane the board to a thickness of 5/8 inch. – surfacer/planer
4. Use edger/jointer to take width to 4.25 inches.
5. Use radial arm saw to cut to 16 inches in length.
6. Use jig saw to cut out radius cut. (2 inch – middle is 4 inches from lower left corner.)
7. Use band saw to cut lower left corner angle. (1.25 inch x 1.5 inch)
8. Use power mitre saw to cut lower right angle (1 inch x 1 inch)
9. Use drill press to drill hole. (2.0 inches up from bottom and 3.5 inches over from right side).
10. Use older table saw to cut 1/4 inch deep groove into board. (will be using a dado blade. Top of groove is 1 inch from top of board).
11. Use handheld power planer to make chamfer cut on upper backside of board that is 1/4 inch by 1/4 inch.
12. Use router to engrave initials into back of board – initials start 8 inches over from right side and 1.5 inches up.
13. Use sanders to smooth board

**Agriculture Shop Class
Power Tool Board Self Evaluation**

Name _____

1. Board was the correct length? (16 inches) _____ yes _____ no
 2. Board was the correct final width? (4 ¼ inches) _____ yes _____ no
 3. Radius cut was taken from 4.0 inches
from left side that was 2 inch diameter. _____ yes _____ no
 4. Lower left corner was cut to correct
angle (1.5 inches x 1.25 inches) _____ yes _____ no
 5. A ¼ inch by ¼ inch groove was taken from
the board 1 inch down from the front top? _____ yes _____ no
 6. A 5/8 inch hole was drilled in correct location?
(2 inches up and over 3.5 inches) _____ yes _____ no
 7. Edger was used to make a ¼ inch by
¼ inch chamfer on the top back of the board? _____ yes _____ no
 8. The board/project was sanded to make smooth
and remove any splinters? _____ yes _____ no
 9. Your initials were placed into the board at the
correct location and correct height? _____ yes _____ no
(start in the middle of the board and up 1.5 inches)
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What made this project difficult for you to do?

What did you learn from doing this project?