

Ag Shop Class

Toolbox Project

Steps:

Lumber needs:

- Each will need 1 (one) eight foot long 1" x 6" board. You can either provide or I can purchase and you reimburse the school for it. If you don't wish to buy yours, it must be of high enough quality that it can be sold, otherwise you will owe for it.

Make the handle:

- Cut a 1" x 6" board to 14.75 inches.
- Plane board to 5/8 inches thick.
- Follow diagram to locate angle cuts and handle cut out.
- Sand – coarse, medium, and fine grits.

Cut boards for base and sides:

- Cut outs for base – using the 1" x 6" board, cut 2 pieces to 16 inches long.
- Cut out the sides using the 1" x 4" board. Will need 2 pieces that are 16 inches long. Cut out 2 end pieces that are 9.75 inches long. Finally cut out the partition pieces. Cut out one (1) 10.5 inch long piece. (You will later cut in half using band-saw).
- Plane all to 5/8 inches.
- With the 2 bottom boards (1x6), edge the boards and then biscuit and glue together.
- Router/rounding over of boards:
 - Handle – roundover over only the tops and inside of handle – do not round over the sides or bottom.
 - 4 side boards – only round over the top outsides – Do not round over the top insides.
 - Partition board – round over the top on both sides.
- Pilot holes will be drilled using a countersink bit and screws with wood glue utilized to hold together. Touch up as needed.

Dimensions of Toolbox: Outside dimensions are 11 inches wide by 16 inches long.

Roland-Story Agriculture Education

Agriculture Shop Class

Tool Box Evaluation

Name _____

Class Period _____

Evaluation Criteria	4—Excellent	3 –Above Average	2 – Average	1 –Below Average
Length	16 inches long	¼ to 1/8 inch off	½ to ¼ inch off	More than ½ inch off
Width	Correct width	¼ to 1/8 inch off	½ to ¼ inch off	More than ½ inch off
Finish	Very smooth and free of defects	Smooth with some defects	Rough with defects	Rough with splits
Appearance	Even with correctly applied stain	Slightly uneven with correctly applied stain	Uneven with correctly applied stain	Uneven with stain applied incorrectly
Drilling	Centered with no splits	Centered with less than 2 splits	3 to 5 splits	More than 5 splits

Safety used in project..... 5 points possible _____

Questions on backside 5 points possible _____

Total points earned _____ out of 30.

1. What was the most difficult task of this project for you?
2. What was the easiest task of this project for you?
3. What did you learn by doing this toolbox project?
4. If you were to re-do this toolbox, what would you do differently and why?