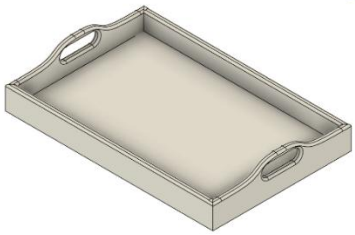
SERVING TRAY PROCEDURE



Name: _____

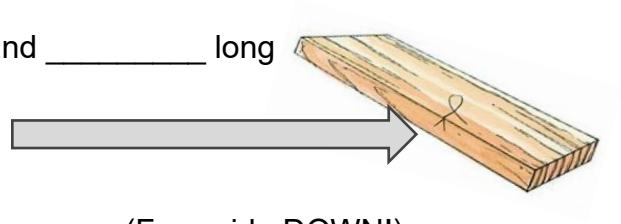
Sides/Ends

1. Break Out Stock from **ONE** piece of wood
   SIDES _____ pieces _____ thick, by _____ wide by _____ long
   ENDS _____ pieces _____ thick, by _____ wide by _____ long

   - layout pieces on rough stock
   - get approval from instructor **BEFORE** cutting

2. Cut to rough length on mitre saw of _____ long and _____ long

3. Joint a **Face Side AND face Edge** on all the pieces - mark them!!

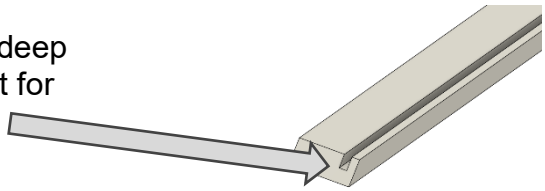


4. Plane all pieces to the finished thickness of _____ (Face side DOWN!)

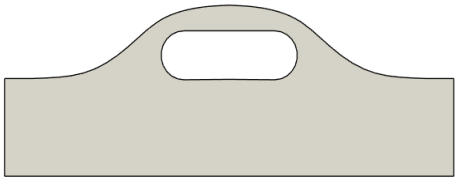
5. Rip the SIDE pieces to final WIDTH of _____ on the Table Saw

6. Rip the END pieces to final WIDTH of _____ on the Table Saw

7. Cut a _____ dado on the table saw that is _____ deep and _____ up from the bottom to create the slot for the bottom to eventually slot into on **ALL** 4 Pieces.



8. **ON THE END PIECES** – From Fusion print out 2 scale copies (1:1) of your end pieces as templates and then using a Glue Stick, glue them onto your wood. See the teacher to do this if you are unsure.

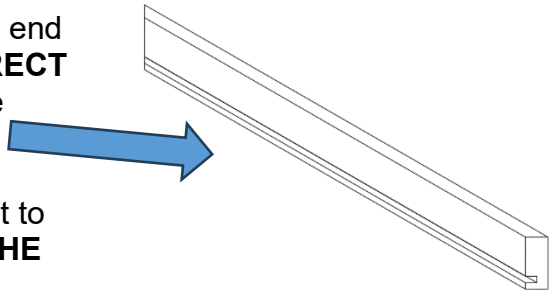


9. Drill the holes for the handles on the end pieces with a _____ size drill bit. Then use a jigsaw to cut and connect them.

10. Cleanup handle holes with the teacher on the router and/or use the spindle sander

11. **DO NOT CUT ON THE LINE!** Now, Bandsaw the outside shape staying away from the lines, then belt and spindle sand to the finished shape.

12. **SIDE PIECES** - Set the Mitre Saw to 45^0 and cut one end on a 45^0 angle. **MAKE SURE YOU CUT THE CORRECT WAY!!!** Check for 90^0 square with a try-square. See diagram.



13. Set a "Stop" at _____ and make the second cut to complete your first piece. **MAKE SURE YOU CUT THE CORRECT WAY!!** Repeat the process for 2nd piece.

14. **END PIECES** - Cut one end on a 45^0 angle. Set a "Stop" at _____ and make your cuts. **MAKE SURE YOU CUT THE CORRECT WAY!!**

15. Using a band clamp, DRY CLAMP the Serving Tray together for the first time to make sure it fits and the corners are tight. **DO NOT GLUE TOGETHER AT THIS POINT!**

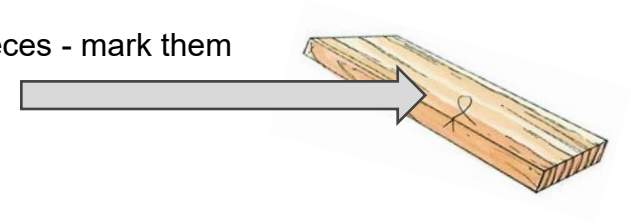
16. Router the Edges round (DO NOT router the 45^0 corner!!)

17. Sand the inside of the serving tray all the way to 220 grit. It cannot be done after the tray is glued together

Serving Tray Bottom

1. Break out stock _____ pce(s) x _____ width x _____length

2. Joint a **Face Side AND Face Edge** on all the pieces - mark them



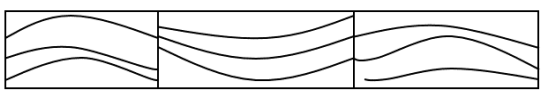
3. Plane all pieces **as thick as possible**

4. Rip all pieces to final width of_____

5. **RESAW** all your pieces in half (See the teacher to do this)

6. Plane all the pieces again so they are all the same, leaving them as thick as possible

7. Glue the pieces together like your laminated project. Glue in **TWO sections** and make sure you clamp the boards to ensure ALL pieces are **Flush**





8. Scrap excess glue off

9. Re-joint/Plane if the pieces are not flat, then re-glue together

10. Plane to final thickness of _____ (Test fit it into the ¼" dado you did in the tray sides/ends).

11. Rip to final width of _____ on the table saw.
    (You **NEED** to measure the end dado)

12. Cut one end square, then cut to final length of _____.
    (You **NEED** to measure the side dado)

13. Sand the bottom all the way to 220 grit. In cannot be done after the tray is glued together.

Assembly the Tray

1. Using a band clamp, DRY CLAMP the tray together with the bottom installed to make sure it fits and the corners are tight. If not, adjust the size of the top and bottom.

2. If everything lines up and the fit is good, lay the tray out on the tape and tape the inside edges to prevent glue from touching the wood (ask teacher for a demo) ALSO, tape the outside edges so you can assemble the tray once glue is added (ask the teacher for a demo). Ensure there is NOT too much glue so that it does not ooze into the inside of the tray. Wipe any excess off carefully if there is. Let dry until next class.

3. Remove excess glue from the outside if necessary.

4. Layout the location for the splines. From the bottom, the splines are _____ and _____.

5. Make your spline cuts using the **spline jig** on the table saw. Ensure a backing board is in place so you **do not chip out the wood**.

6. Acquire a piece of 1/8" material for your splines from the instructor OR thickness plane/sand a piece of SCRAP wood for the splines and make sure it fits snuggly in place.

7. Using a combination square, layout the splines on your 1/8" piece of wood and cut them out on the bandsaw.

8. Glue your splines in place and let dry.

9. Trim down the splines using a flush cut saw, block plane and then sand smooth.

10. Router 4 corners if you want.

11. Sand the outside of the Tray all the way to 220 grit.

12. Finish the project with a water-based stain (3 coats).

13. Complete an evaluation sheet and submit for marking (include your Drawing).