

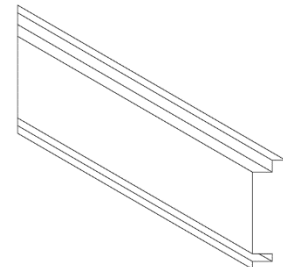
JEWELLERY BOX PROCEDURE



Name: _____

Jewelry Box Sides/Ends/Bottom

- Break out stock _____ pce(s) x _____ width x _____ length
 - layout parts on rough stock
 - get approval from instructor
- Cut to rough length on mitre saw of _____ long and _____ long
- Joint a **Face Side AND face Edge** on all the pieces - mark them
- Plane all pieces to the finished thickness of _____ (Face side DOWN!)
- Rip all pieces to final WIDTH of _____ on the Table Saw
- Cut a 1/8" dado on the table saw that is _____ deep and _____ up from the bottom to create the slot for the plywood bottom to eventually slot into.
- SOLID TOP** - Cut a _____ deep by _____ wide rabbit into the top of your board(s) on the router using a rabbeting bit so a top can eventually be inset into the box once it is glued together.
- GLASS TOP** - Cut a _____ deep by _____ wide DADO into the top of your board(s) on the router using a rabbeting bit so a piece of glass can eventually be inset into the box once it is glued together. NOTE – this dado will be wide as it will match up where the lid is cut off.
- Set the Mitre Saw to 45° and cut one end on a 45° angle. MAKE SURE YOU CUT THE CORRECT WAY!!! Check for 90° square with a try-square. See below.
- 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.
- Set a "Stop" at _____ and make the 3rd and 4th pieces. MAKE SURE YOU CUT THE CORRECT WAY!!
- Using a band clamp, DRY CLAMP the box together to make sure it fits and the corners are tight. **DO NOT GLUE TOGETHER AT THIS POINT!**
- Sand the inside of the box all the way to 220 grit. It cannot be done after the box is glued together.



Jewellery Box Top

1. Find a piece of material that is 1" thick. IF the box is small you can find a piece that is wide enough or you can glue 2 pieces together
2. Joint a **Face Side AND face Edge** on all the pieces - mark them
3. **If it is a single piece**, plane to finished thickness of _____ (Face Side DOWN!)
4. Rip the piece to final WIDTH of _____ on the Table Saw. (Test fit the top for length)
5. **If the top consists of 2 or more pieces**, glue together
6. **If you glued pieces together** - scrap excess glue off
7. **If you glued pieces together** and plane to thickness of _____
8. **If you glued pieces together** - Rip the piece to final WIDTH of _____ on the Table Saw
9. Cut one end square on the Mitre Saw
10. Cut to final length on the Mitre Saw (Test fit the top for length)
11. Sand the inside of the Top all the way to 220 grit. It cannot be done after the box is glued together

Glass Top

1. Have a piece of glass made at a local glass shop, alternately use a piece of plastic from the school.
2. The remaining distance between your glass/plastic to the edge of the box lid is _____.
3. The depth of the dado is _____
4. Break out stock _____ pce(s) x _____ width x _____ length
5. Joint a **Face Side AND face Edge** on all the pieces - mark them
6. Plane all pieces to the finished thickness of _____ (Face side DOWN!)
7. Rip all pieces to final WIDTH of _____ on the Table Saw
8. Set the Mitre Saw to 45° and cut one end on a 45° angle. MAKE SURE YOU CUT THE CORRECT WAY!!! Check for 90° square with a try-square.
9. 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.
10. Set a "Stop" at _____ and make the 3rd and 4th pieces. MAKE SURE YOU CUT THE CORRECT WAY!!
11. Test fit the pieces and adjust as necessary.
12. Use a drill and drill the pilot holes and shank holes for the screws that will go in to hold the glass in place
Pilot Hole drill bit size _____
Shank Hole drill bit size _____
Depth to drill to _____ (Put a piece of tape on the drill bit to ensure you do not drill TOO Deep)
13. Test fit the pieces and adjust as necessary.

Assembly of the Box

1. Measure and cut a piece of 1/8" plywood for the bottom, Measure the inside (longest part) of the dado of the side and end pieces. This will give you the width and length of the plywood.

The size of the plywood is _____ wide x _____ Long

2. acquire a piece of plywood from the plywood rack and cut to size on the Table Saw
3. Using a band clamp, DRY CLAMP the box together (including bottom and top) again to make sure it fits and the corners are tight. If not, adjust the size of the top and bottom.
4. If everything lines up and the fit is good, glue the box together and then band clamp it. Ensure there is NOT too much glue so that it does not ooze into the inside of the box. Wipe any excess off carefully if there is. Let dry until next class.
5. Remove excess glue from the outside if necessary.
6. Layout location for the splines. **Keep in mind that you will NEED a spline that is located on the lid once you cut the box apart**
7. Cut the splines using the spline jig on the table saw. Ensure a backing board is in place so you do not chip out the wood
8. Acquire a piece of material for your splines from the instructor OR thickness plane a piece of SCRAP wood for the splines and make sure it fits snugly in place.
9. Glue splines in place and let dry.
10. Trim down the splines using a Bandsaw, handsaw, block plane and/or sand smooth.
11. Router any Edges
12. Sand the outside of the box all the way to 220 grit.
13. On the table saw, cut the lid off. Ensure at least ONE SPLINE is in the lid!! Use the "Lid jig" to cut the top off
14. Install hinges as demonstrated by the teacher based on your project.
15. Finish the project with a water-based stain (3 coats).
16. Submit for marking