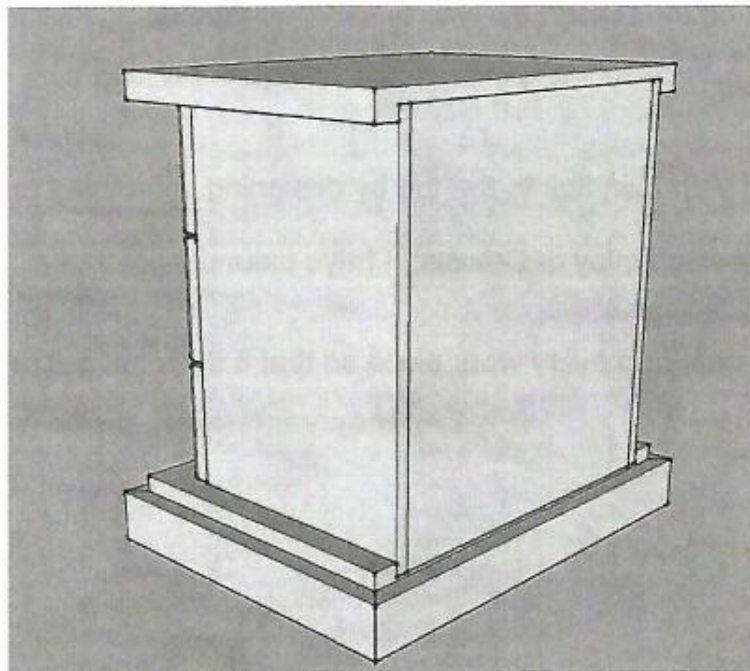
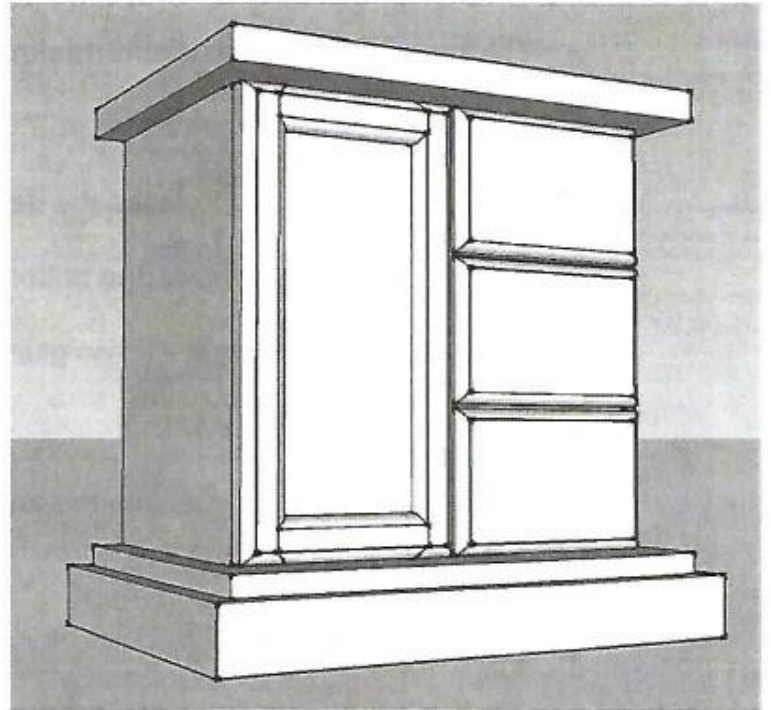
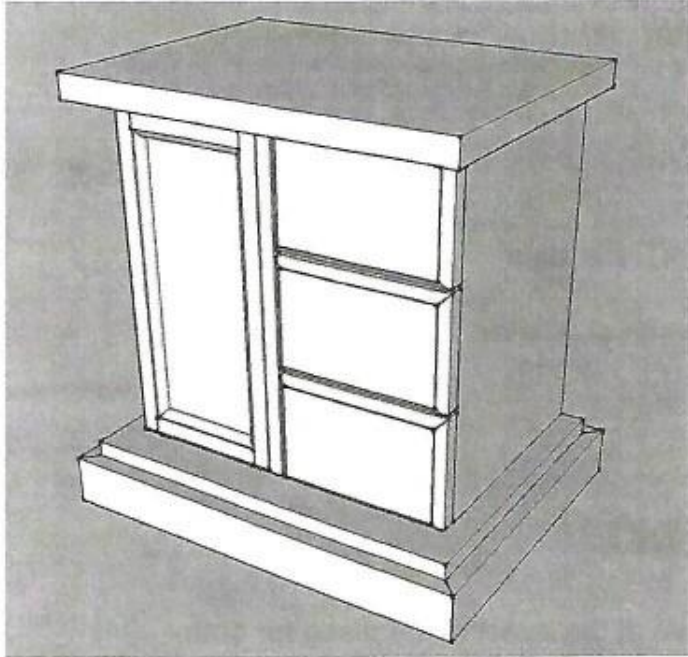


NAME: _____

Jewellery Box Project.



Building the top and base.

- Cut three pieces of 8" wide board to 14" long.
- Joint the face cup side down then the good edge.
- Thickness plain to **maximum thickness!**
- Rip two strips from each board at 3" wide on Table Saw
- Laminate three strips to make the desired width of 9" wide.
- Do this two times to make one bottom and one top.
- When glue is dry scrape excess glue the finish plain to $\frac{3}{4}$ thick.
- Chop to final length of 12"
- Cut three Blind dado cuts into top and bottom at the exact same place for both the top and bottom.
- Dado cut number one is set in $\frac{3}{4}$ of an inch from the outer edges and is cut $\frac{3}{8}$ wide and $\frac{3}{8}$ deep making sure to stop $\frac{3}{4}$ from the front to keep the dado hidden. This can be done on the Dado Saw with teacher assistance and setting up a stopper for the sled.

You are welcome to add your own flair to the top by designing something to cut on the CNC or by adding a dark wood inlay or Dowels. I have examples of those.

Make sure you put your name on every work piece so that it does not get misplaced.

Building the Sides and center support

Making the sides and center.

Cut one 8" wide board to 37" long. Joint a face then an edge then plain to MAX THICK!. Rip two strips at $3 \frac{5}{8}$ inches. Glue a set of two together to make the sides. Scrape glue and finish plain to $\frac{3}{4}$ thick. Chop three pieces at $11 \frac{3}{8}$ long. Rip the center piece to 7 wide as it has to be $\frac{1}{4}$ shorter than the sides.

After the sides are laminated then planed down to $\frac{3}{4}$ a rabbet cut should be made on the bottom and tops of all three pieces leaving $\frac{3}{8}$ exposed. These will become blind dado joints. The base and top should have $\frac{3}{8}$ dado cuts stopping $\frac{3}{4}$ short from the front so they will not be seen. (Blind dado)

Building the bottom trim.

The bottom Trim can be made using two of the extra pieces that were produced when making the top and bottom. They should be cut to the finished length and width of the base plus $\frac{1}{4}$ inch and cut on 45° . The front should have a design that gives it a nice look. Do this by drawing a design on one half then trace that pattern on paper then transfer it to the other side. They should then be assembled and glued to the base then sanded and routed. Router the top and bottom at the same time so they are matching. Assemble the sides into the top and bottom with no glue then take all measurements for the drawer supports then the drawer faces and drawer's.

Mark	No Req.	Name	Thickness	Width	Length	BF
A	1	Top	$\frac{3}{4}$	9	12"	
B	1	Bottom	$\frac{3}{4}$	9	12"	
C	1	Center	$\frac{3}{4}$	7"	11 $\frac{3}{8}$	
D	2	Sides	$\frac{3}{4}$	7 $\frac{1}{4}$	11 $\frac{3}{8}$	
E	2	Short Trim	$\frac{3}{4}$	1 $\frac{1}{2}$	12	
F	2	Short Trim	$\frac{3}{4}$	1 $\frac{1}{2}$	9	
G	1	Door	$\frac{3}{4}$	5 $\frac{1}{2}$	11 $\frac{1}{8}$	
H	3	Drawer Face	$\frac{3}{4}$	3 $\frac{11}{16}$	6 $\frac{1}{8}$	
I	2	Supports	$\frac{3}{4}$?	7	
J	6	Drawer sides	$\frac{1}{4}$?	?	
K	3	Drawer bottoms	$\frac{1}{4}$?	?	
L	3	Drawer back	$\frac{1}{4}$?	?	

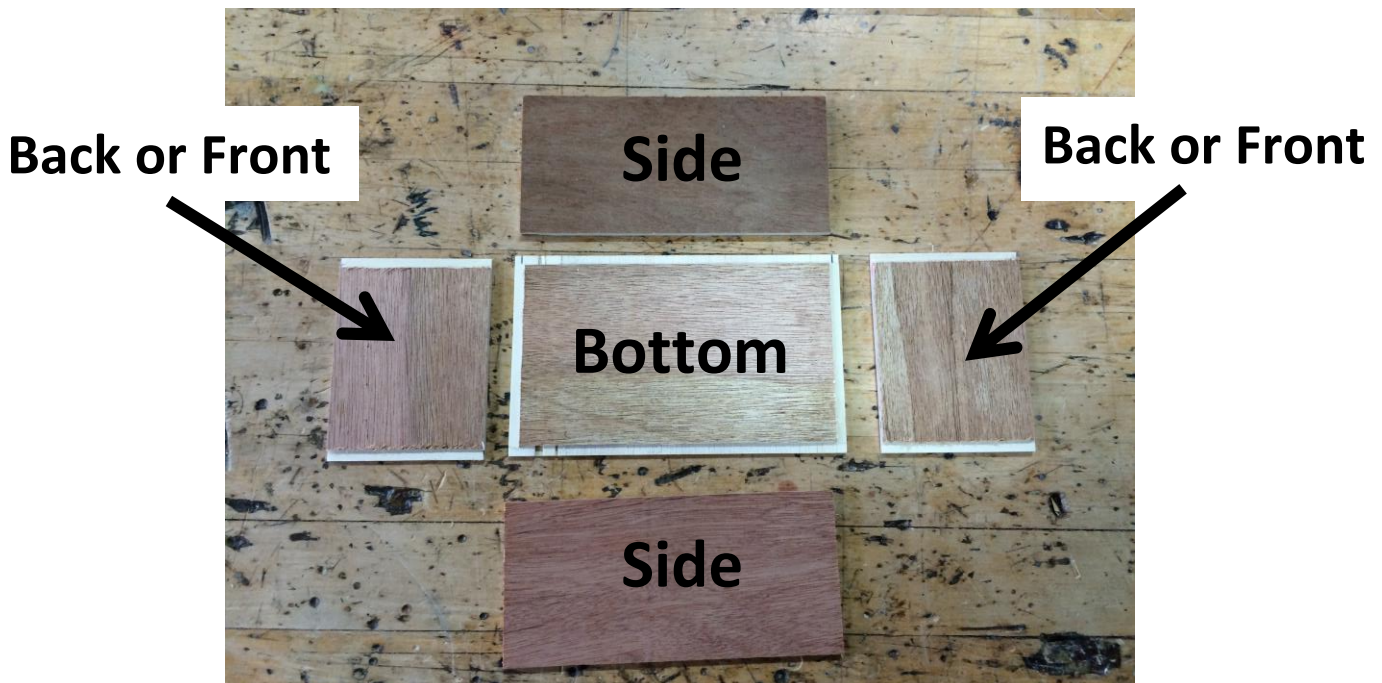
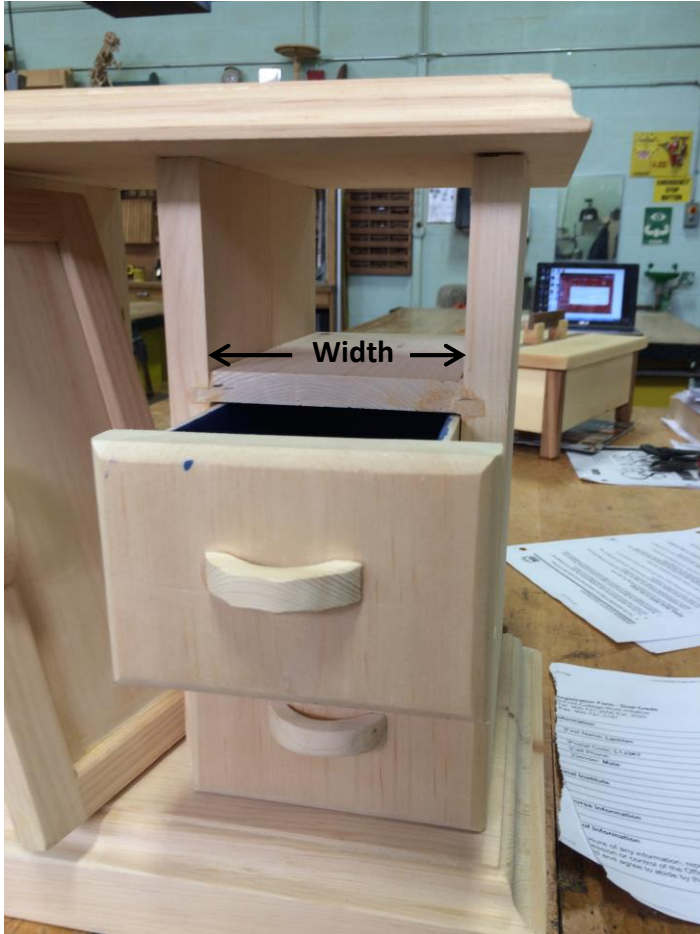
NOTE: The drawer faces and supports should be measured after assembly to insure a good fit. Measure the opening between side and center support and add $\frac{3}{4}$ to the width.

This is just the start. Remember you cannot thickness plain wood shorter than 14" so add pieces together to add up to 14" or more then chop to a shorter length as needed.

Calculate board feet before starting.

Name: _____

Jewelry Box - Drawers



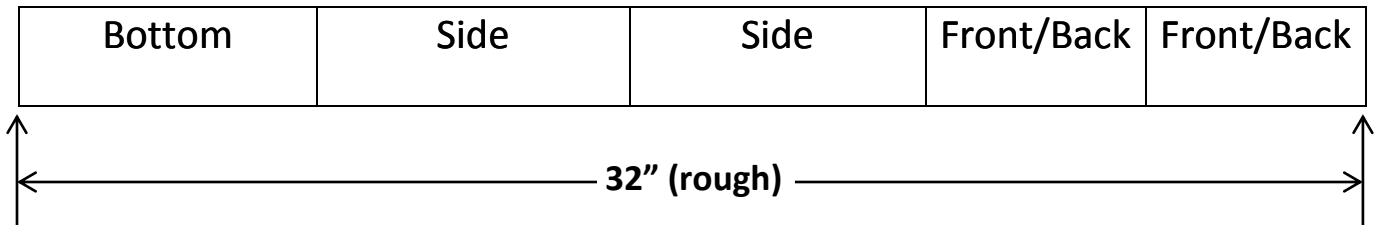
STEPS

- **Measure** the largest **Width or Height** of your drawers. (For some students, the height of their drawers might be wider than the bottoms)
- **Rip** a strip on the **Table Saw**, from a 4' x 8' sheet of plywood, a $\frac{1}{2}$ " larger than your largest **Width or Height** of your drawer
- **Cross-cut 3 pieces at 32"** from your strip on the **Mitre Saw**
- Measure the **Length** of the drawer opening and **Subtract $\frac{1}{8}$ " to $\frac{1}{4}$ "**. Use the **Cross-cut Sled** to cut the **lengths** of **ALL 3** of the **bottom** pieces
- Measure the **Width** of the drawer's opening and **Rip the Width** of the **3 Bottom** pieces from each strip to that measurement

Steps for cutting ONE drawer (the desired heights of the drawers might not all be the same)

- Measure the desired **Height** of your drawer, (including the bottom piece), and **Rip the Width** of the **Sides, Back, and Front** pieces to that measurement.
- Measure the **Width** of the **Bottom** piece and use the **Cross-cut Sled** to cut the **Length** of the **Front/Back** pieces to that **SAME** measurement.
- Set-up the **Rabbeting** on the **Router**. Set the bit **$\frac{3}{16}$ "** or the **Thickness** of the plywood **off the fence**. Then set the height of the bit to **Half the Thickness** of the plywood.
- Using a push-pad, **Rabbit ALL 4 sides for the Bottoms then both sides of the Front and Backs along their widths**.
- **Place the Front and Back** on the **Bottom Piece** and **Mark in the DADO the Length** of the side pieces.
- Use the **Cross-cut Sled**, cut the **Lengths** of the **Side** pieces accordingly.
- **Apply** a thin amount of glue in the rabbets and assemble the drawing using **TAPE** to hold it together while the glue dries.
- Once dried, **Sand** the outside of the drawer (if needed) to ensure it slides smooth and snug. **Avoid over sanding causing the drawer to move sloppy.**

Drawer Layout x3



Drawer Sizes

Bottom

Length = Length of the drawer opening, **SUBTRACT** an 1/8"-1/4"

Width = Width of the opening

Rabbet = All sides around

Front/Backs

Length = **SAME WIDTH** as the **Bottom** piece

Width = Desired **HEIGHT** of the Drawer (**REMEMBER TO INCLUDE THE BOTTOM PIECE**)

Rabbet = Rabbet **BOTH** sides along the width

Sides X2

Length = Length of the bottom, **SUBTRACT** the rabbets of the Front/Backs

Width = **SAME WIDTH** as Fronts/Backs. Desired **HEIGHT** of the Drawer (**REMEMBER TO INCLUDE THE BOTTOM PIECE**)

Rabbet = **NO RABBETS**