



Cheese Board

PROJECT PLANS

Finished Dimensions: 20"W x 1-1/2"H x 12"D

Skill Level: Beginner

Materials

Item	Qty
2" x 10-1/2"x 21" Board*	1
Epoxy Casting Resin (Deep Pour)	1-1/2 gal. Kit
Pearl Metallic Resin Powder (Colors Optional)	15 grams
1/4" Roundover Router Bit	
Jig Saw Blade 12 TPI Clean Cut	
Sandpaper**: 150g, 220g & 320g & Sheets: 400g, 600g, 800g & 1000g	
Mixing Bucket 1 Gallon	1
Painting Stir Sticks	
2" Clear Packing Tape (Heavy Duty)	1
Butch Block Mineral Oil	1 pt.
Hot Glue Sticks	
3/16"x 20"x 30" Foam Core Board	1

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

R Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

R A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Table Saw

or



Circular Saw



12-1/2" Bench Planer



Jig Saw



Drill/Driver



5" Random Orbit Sander



Sheet Sander



Router Trim



Hot Glue Gun



Heat Gun



Tape Measure



5" Orbit Sandpaper



Roundover Router Bit Set



Utility Knife

Also Needed: Safety Glasses and Clamps



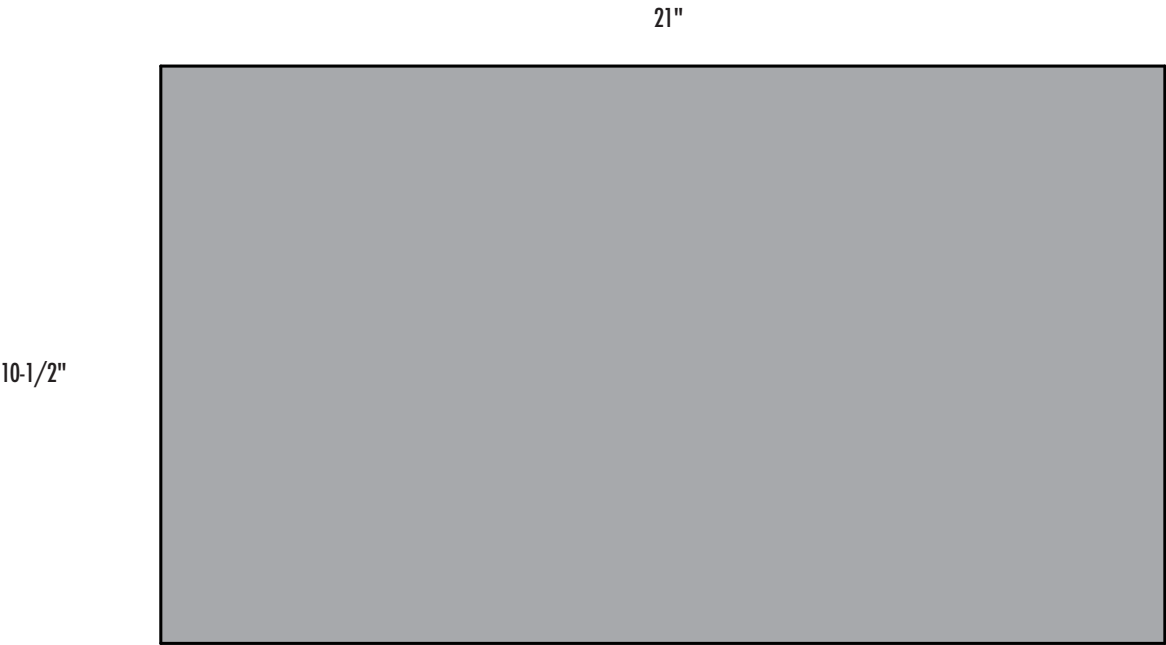
Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board *	Description	Cut to	Qty
2 " x 10-1/2"	Cutting Board	21"	1

*Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide

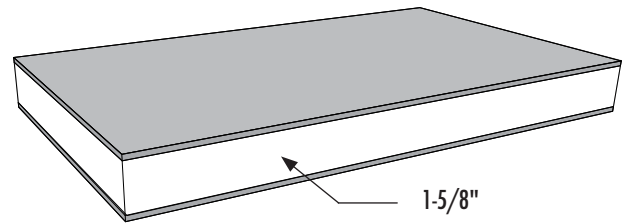


Assembly Instructions

Step 1



Plane the 2" board down on both sides until it is approximately 1-5/8" thick.

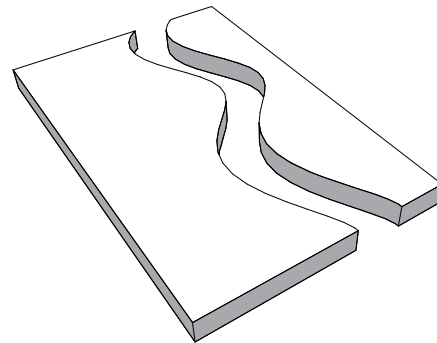
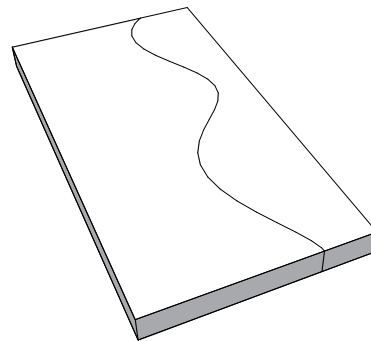


Step 2



Draw an (S) curve line of your liking onto the board.

Use a Jig Saw to cut along the line.

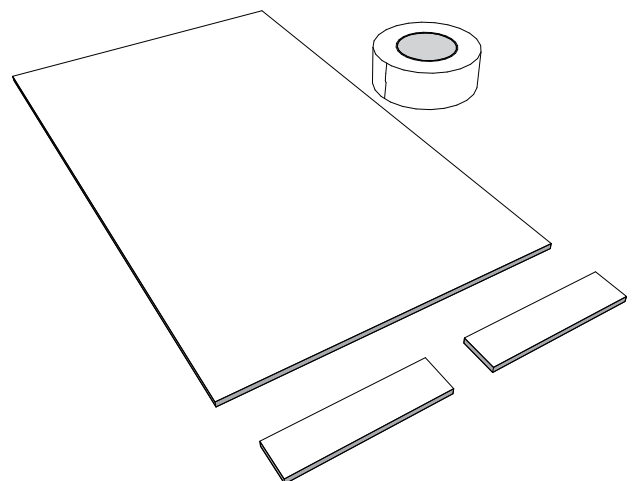


Step 3



Cut (1) piece of the foam core board into a 16" x 24" piece. Then cut (2) 1-1/2" x 6" strips from the foam core board.

Cover (1) side of each piece completely with packing tape. Make sure to leave a 1/4" overlap.

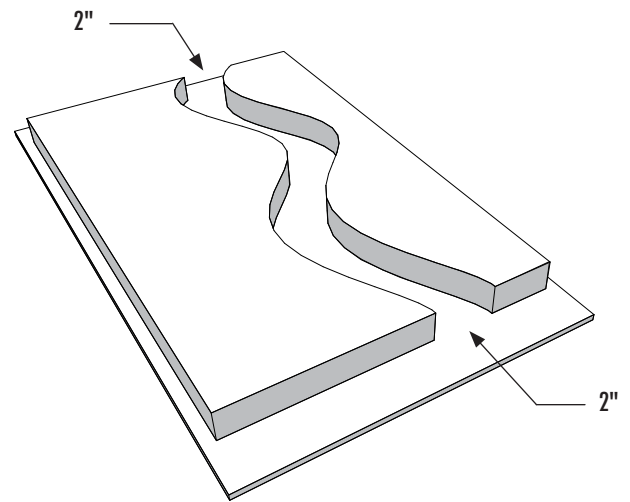


Step 4



Place the wood boards onto the taped side of the foam core and align them so that there is a 2" gap between the (2) boards. Make sure the sides are running parallel with each other and that the ends are even.

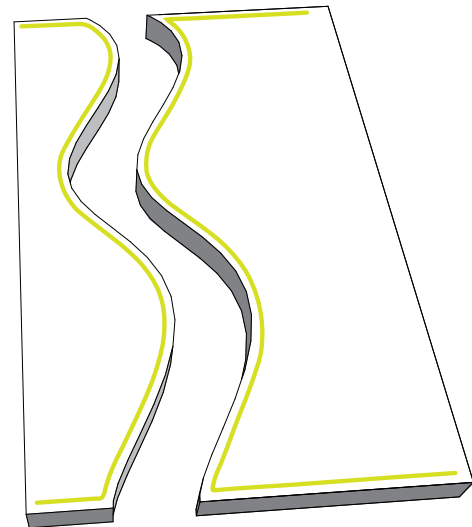
Mark the corners so the (2) boards can be repositioned back to this location.



Step 5



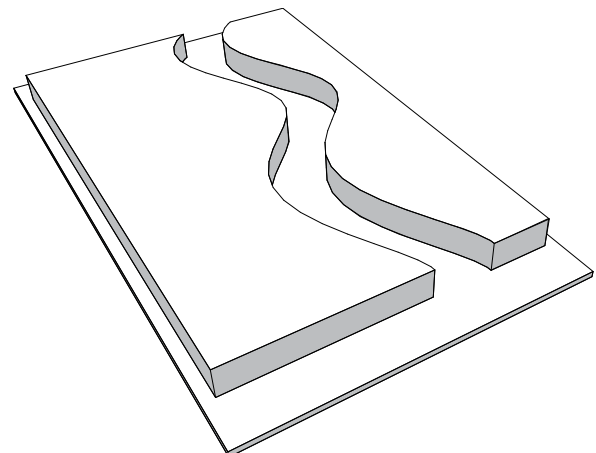
On the underside of the wooden boards, place glue along the curved edges and the top and bottom ends.



Step 6

Place (1) piece down onto the taped side of the foam core. Be sure to realign it to the marked corners.

Align the 2nd piece with the 2" gap.

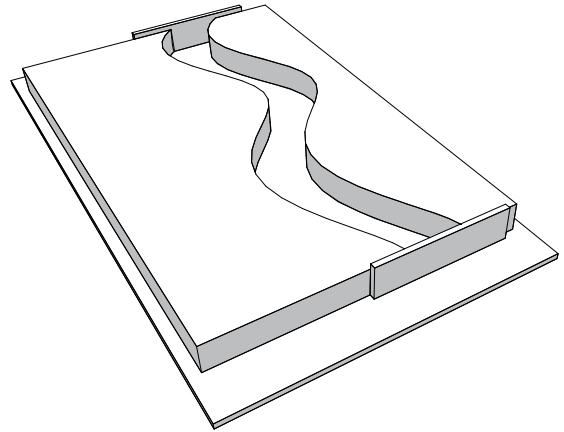


Step 7



Hot glue the (2) foam board end pieces to the wood boards. Make sure to put glue from the top to the bottom of the overlap.

Then run hot glue along the base and sides of the foam core. Also run glue along the base of the wood boards. This will help to ensure the epoxy will not leak.



Step 8

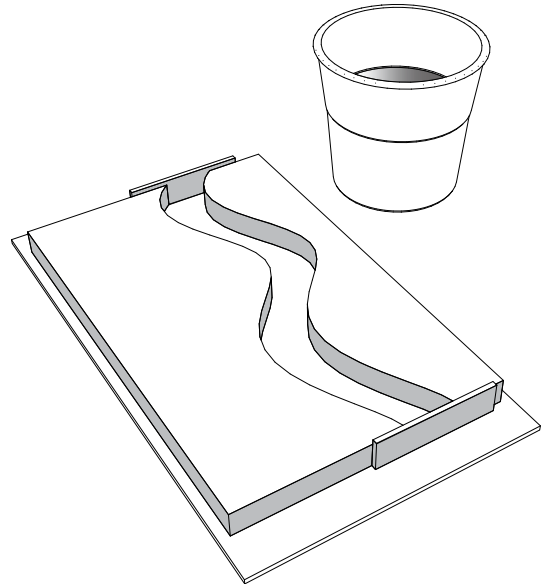


Mix epoxy by following the instructions on the container. Add color or pearl to your liking.

Pour epoxy resin into the gap. Fill it so that it is level with the top of the board.

Use a heat gun to pop the surface bubbles on the top of the resin.

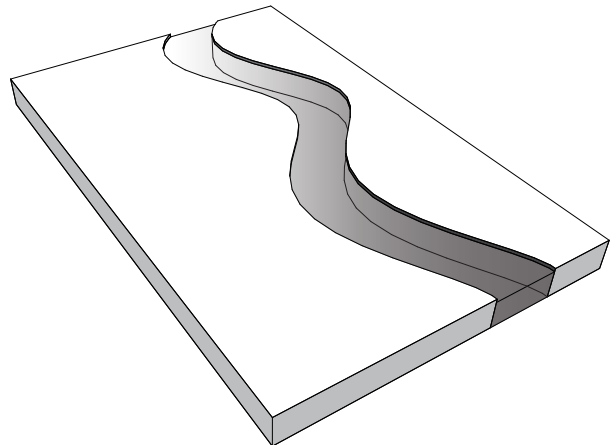
Once the resin has cured, remove the foam core and glue foam board.



Step 9



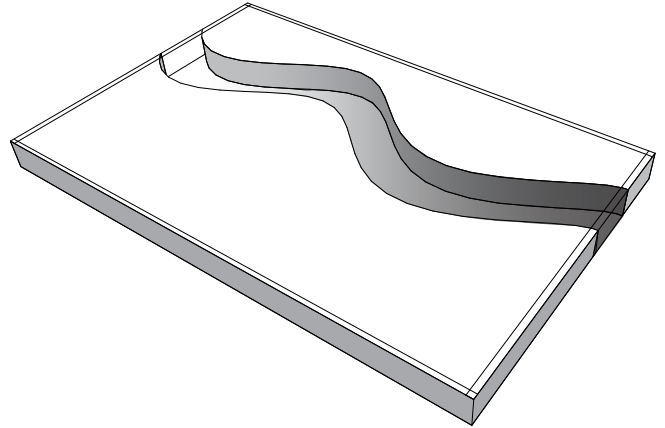
Plane both sides of the board to a finished thickness of 1-1/2".



Step 10



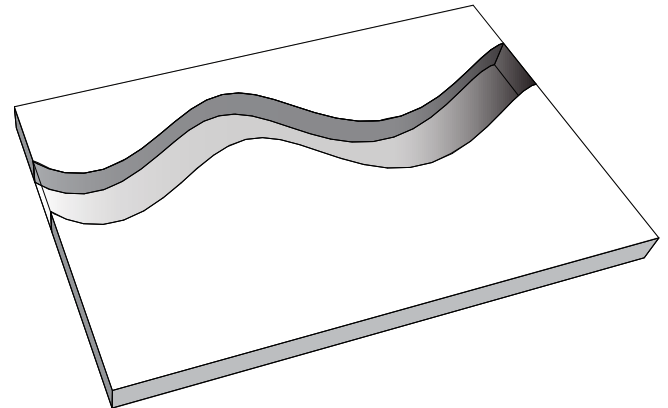
Square up all (4) sides and trim. The finished dimensions should be around 12" x 20".



Step 11



Using a 1/4" roundover bit, route the top and bottom edges of the board.

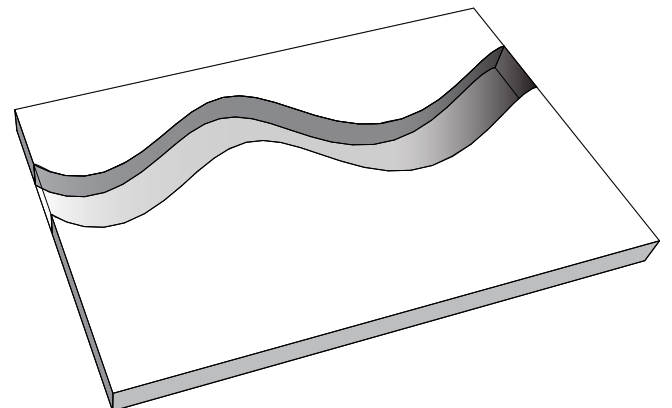


Step 12



The board will need to be sanded. Start by using the orbital sander and sand all surfaces to a 320 grit finish.

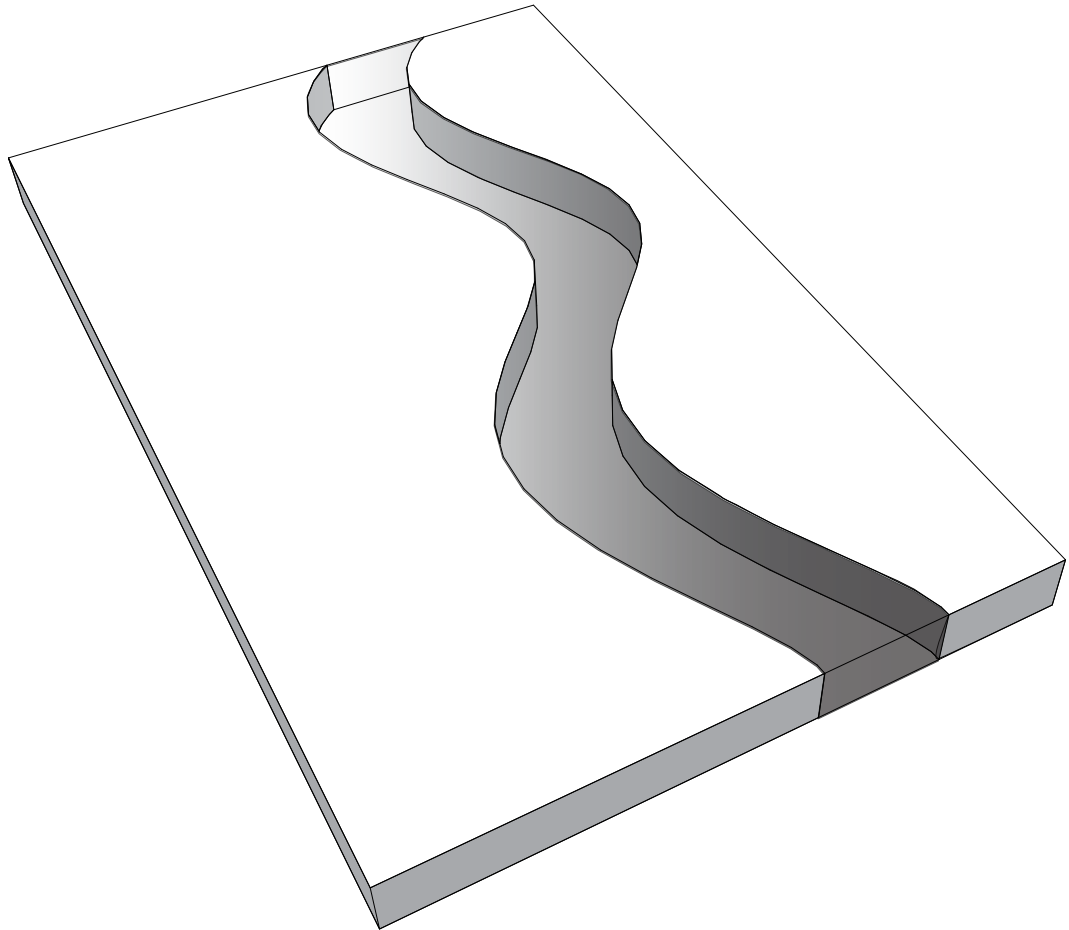
Then use the Sheet Sander. Start with 400 grit and work your way up to 1,000 grit (primarily on the resin surface). You may choose to go higher on the sanding grits if you prefer.



Step 13

Treat wood and resin with butcher block mineral oil.

Project complete!



Rougher finish – Use 60-80 grit sandpaper to hand sand with the grain of the wood.

Smoother finish – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

Finish Sanding – Use 320-400 grit sandpaper

Super fine sanding – Use 600+ grit sandpaper