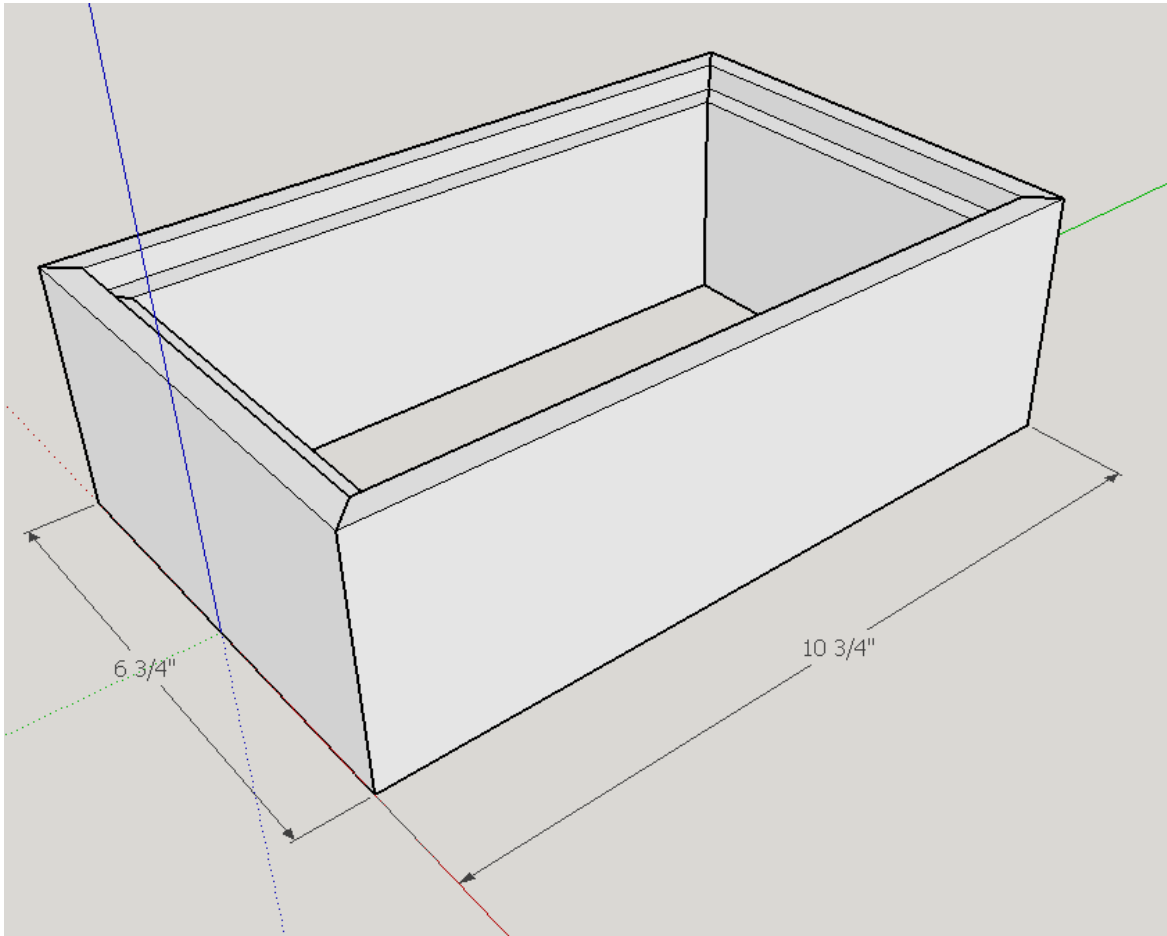


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PowerTools:

- table saw
- router in router table for rabbet
- reciprocating drum sander for knob
- planer (optional)
- band saw
- drill press



Golden Ratio 1.618

$$10.75/6.75 = 1.592$$

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Process Steps - Begin with a 1x4 board 6' long – (actually 3/4" x 3-1/2" wide)

		Rough Cut		BOX					
Ends	A	2 @ 8-1/2"	17	6-3/4"					
Sides	B	2 @ 12-1/2"	25	10-3/4"					
Top	C	2 @ 11"	22						
Remainder	D	1 @ 8"	8						
			72						

Process Steps - Class 1 of 3

Using Table Saw:

- Layout on the 1x4x 6 foot board, 8-1/2", 8-1/2", 12-1/2", 12-1/2", approx 30" rmng.
- Make 4 cross cuts in the middle of your lines, (resulting in 5 boards)
- Cross cut the 30" board into (2) 11" boards for Top using miter gauge stop block.

Set table saw blade to 45 degrees

- Cut 1 end of both 8-1/2" boards and 1 end of both 12-1/2" boards at 45 degrees

With table saw blade still at 45 degrees

- Cut the other end of each 12-1/2" board to 10-3/4" long using miter gauge stop block
- Cut the other end of each 8-1/2" board to 6-3/4" long using miter gauge stop block

With table saw blade still set to 45 degrees

- Make 8 spline slots approx 1/4" deep using a stop block mounted to the rip fence
- Edge glue and clamp 2 11" pieces to form 1 top 7" x 11" (If time allows)

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Before Class 1

Remember to glue scrap at beginning of class

Check with store for number of students

Bring 1x4x6' for each student + instructor

Make sure table saw is ready to go

Have students sign Release From Responsibility Waivers for Session

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Bring magnetic angle setter and battery

Apron w/ tools

Safety Glasses

Rip Fence Offset Block

My Miter Gauge

for gluing

Spring Clamps 2 * (number of students+1)

Glue bottle/spreaders/trays/ Wax paper

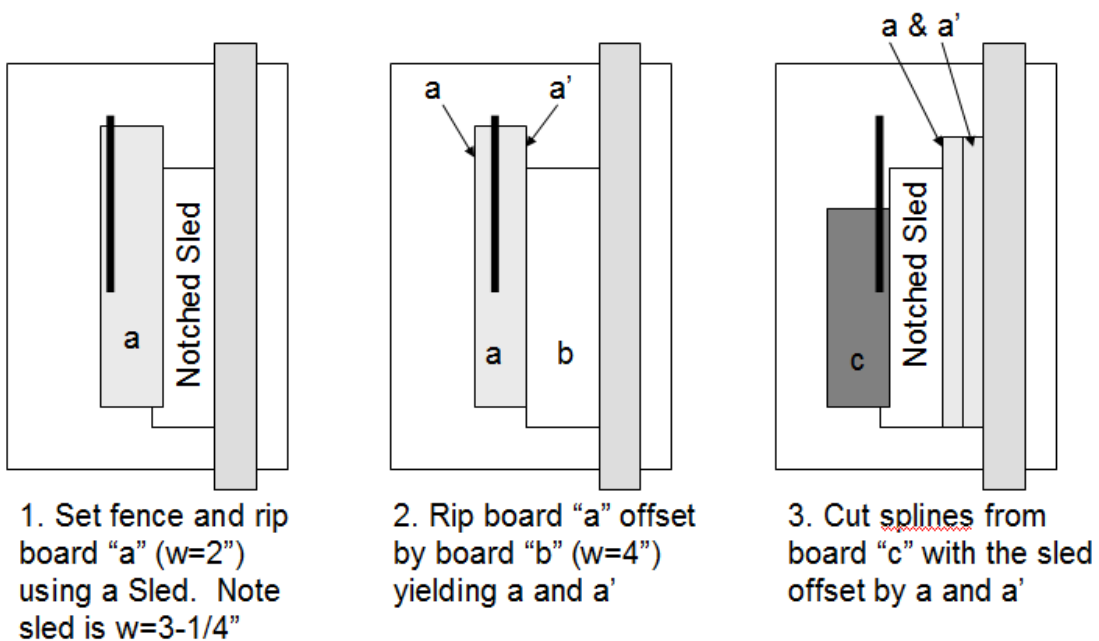
Putty Knife for scraping excess glue after 30 minutes

Extra sandpaper

Process Steps - Class 2 of 3

- Edge glue and clamp 2 11" pieces to form 1 top 7" x 11" (if not already done)
- cut grooves in sides and ends for bottom of box
- Use a planer to properly size the thickness of a board to be used for the splines. The thickness of the board should be a little less than twice the depth of the spline slots.
- cut 1 spline (see below)
- test the size of the spline to make sure it is ok with box clamped together
- (adjust if needed and) cut remainder of splines
- select proper fitting splines and trim to length with coping saw and jig
- On router table, rabbet 2 end pieces and 2 side pieces
- table saw - cut bottom of box to size
- Review types of joints (if time permits)
- Review types of Wood & Movement (if time permits)

Cutting Splines



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Before Class 2

Make sure table saw and router table are ready to go
2 Push Sticks & Narrow plywood Push Stick & Push Block
Bring wood for splines
Spline cutting sled and "B" board and "A" board
Magnetic feather board
coping saw and jig for cutting splines
Rabbit bit for router and proper size collet
Have plywood bottoms available rough cut to 7"x 11" by 1/8"
Apron w/ tools & Safety Glasses
My Miter Gauge
Bunge cords and corner blocks

for gluing (if not already complete)

Remember to glue scrap at beginning of class
Spring Clamps 2 * (number of students+1)
Glue bottle/spreaders/trays/ Wax paper
Putty Knife for scraping excess glue after 30 minutes

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Process Steps - Class 3 of 3

- Dry fit box and ensure splines fit loosely
- Glue up box with Titebond Liquid Hide Glue and clamp for 1 hour +
- Plane top if required
- Table saw - cut top to size
- Make Handle and attach
- Trim splines on bandsaw with jig if needed and sand
- Review types of joints (if time permits)
- Review types of Wood & Movement (if time permits)

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Before Class 3

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Apron w/ tools

Safety Glasses

My Miter Gauge

slower drying glue (ex. Titebond Liquid Hide Glue) spreaders/trays/ Wax paper

5/32 drill bit in drill press for drilling clearance hole

3/32 drill bit in hand drill for pilot

Handle template

screws 1 x students

2 or more screw drivers

Random Orbital Sander

Burnishing Tool

Orange handle countersink

band saw jig for trimming splines

Bunge cords and corner blocks

Sandpaper