Stair Step Organizer
by @lelaburris

PROJECT PLAN

Materials

Item	Qty
2x4 Wood, cut to size (I used pine)	1
Painter's Tape	1
Marker	1
Metal Ruler	1
Sanding Sponge	1
Walnut Wood Stain	1
Polyurethane	1
Shop Rag	1
Paint Brushes	2
Wood Glue	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.

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.

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

Miter Saw   or   Circular Saw   Drill/Driver   Orbital Sander   Drill Bits

Rotary Tool   Tape Measure   **Also Needed:**
Clamps

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

Assembly Instructions

Step 1

Cut the 2x4 to the width you want the pen display to be.

Step 2

Cut a second piece of the 2x4 to the same width.

Step 3

Rip the second piece in half lengthwise.

Step 4

Sand all sides of both pieces, and wipe clean with a cloth.

Step 5

Apply a strip of painter's tape across the top of each wood piece.

(This helps decrease splitting when drilling.)

Step 6

Decide how far you want your pens to be spaced apart and mark the spots with a marker and a metal ruler.

(I made my pen holes one inch apart for easy measuring.)

Step 7

Secure the wood blocks to a table using clamps.

Step 8

Starting with a small drill bit, drill halfway through the wood block on each dot.

Step 9

Work your way up with larger drill bits until your pens fit snuggly inside. (Don't go from the small bit right to the large one because it could cause the wood to split around the holes. Work your way up by drilling slightly wider holes until you reach your desired size.)

Step 10

Remove the tape, then sand the inside of each hole with the rotary tool to ensure a smooth surface for your pens.

Step 11

Apply a wood stain and finish with two coats of polyurethane.

Step 12

Optional: Add felt or rubber cabinet stoppers to the bottom to protect your table surface and to also prevent sliding when on display.