



How to Plan your Project for Success

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Why use project planning in woodworking?

- 1. Save money and time
- 2. Improve output
- 3. Work efficiently &
 - safely
- 4. Improve

repeatability

5. Get better over time!

When you *don't* plan, you risk:

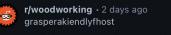
- Wasting effort, materials, and money!
- Extending your timeline
- Ending up with a work product that doesn't fulfill its function
- Possibly produce a piece that doesn't match your original vision and that isn't repeatable in the future

2 days ago on Reddit: Why planning is important

What they want:



How it's going



I don't have a steam box... is this going to work?



The Six Steps in Planning a Project



The Six Steps in Planning



work area for each of your project's stages celebrate reaching each one!

needed and keep going!

1 Envision and Sketch

Inspiration:

- **Google Image Search**
- Youtube videos
- Etsy •
- Other woodworkers & artists
- **High-end retailers**

Sketching your idea

- Pencil, graph paper and ruler is plenty
- Software like Sketchup (or Powerpoint)
- Excel spreadsheets for part-lists
- Drawings make it easier to plan and also share your ideas with others for advice

Protip: Adding "DIY" or "Woodworking Project" to your Google Image Search prompt will return other people's projects

Google Cabriole Leg Table DIY



Cabriole Leg Side ... NES replica coffee table with ...



T Table Legs DIY Mid-Century Modern Table Makin...



X 🤳 0

John Lomas Custom Furniture Cabriole Leg Dining Table | John Lomas...



Q

VanVleet Woodworking Walnut Console Table Build - Van.







BOOK CASE IN LB

Orthographic Drawing in Woodworking



Recommended Cutlist tools

- PC: MaxCut Community Edition
- Web: cutlist optimizer.com, optiCutter.com
- iOS/Android: https:// cutlistoptimizer.app (SmartCut) (Free)
- PC/Mac: Cut List 4.1 and OpenCutList (Sketchup add-on)
- 1. Use Cutlist software to determine stock needs and account for cutoffs/wastage
- 2. Define setup & order of cuts using spreadsheet
- 3. Group special cuts like dados and bevels to minimize setup time
- 4. Dry fit and measure regularly to spot errors.
- 5. Plan steps like partial glue-ups, veneer so you can work on other parts while they dry.
- 6. Remember to take into account environmentals for dry time

2 | Create Cutlist & Assembly plan

Parts Other Items Labor Layouts B.O.M. Reports Pricing Raw Materials Sheet Goods Selected Material/Thickness Selected Diagram Unplaced Parts Haple Plywood Copies in Lavou Thick Rough Y Rough X Banding Part # / Sub-Assembly Description - MDF 20 3/4" 20" 34 1/2" MV-0-0-0 A. 3/4" Base (Pantry) Deep Shelf Dimensioned Lumber 20[R] Base (Pantry) Deep Shelf 3/4" 34 1/2" 20" MV-0-0-0 - Maple 30" None - E. 4/4 (3/4") 22[R] Base (Pantry) Toe Kick - Shor 1 3/4" 30" 4" None - F. 5/4 (1") 25 Base (Pantor) Pail - Bottom 3 3/4" 34 1/2" 34 1/2" 34 1/2 34 1/2 20" 4" 20 20 20 **Cutting List** 34 1/2 Pine wood 2 x 3" 4 off . 8" 25 18 25 Pine Boards 30" 1" thick 25 18 off: 121 x 18W 4 off: 12L x 24W 8 off: 241 x 24W ain: None Vendor: ABC Lumber Bin: 9E rf: 1/8" Part Padding: 0" Waste: 15.3% Dowel 3/4" diameter off: 18: long off: 24" long ugh Cut <Info> Show Grain Hide Dupes



How will you mill/cut your stock to size?

How will you assemble your piece?

What loads and stresses will it need to withstand?

Learn about wood movement (!)

Strategize your order of sanding, assembly & finishing. What should come first and last?

How to protect sanded pieces during glue up and assembly.

In what order should you assemble parts?

2 | Create Cutlist and Assembly Plan



3 | Gather material, hardware and tools



***POV: My man buying \$600 worth of tools at home depot

Me

Him

3 | Gather material, hardware and tools

- Source lumber/materials first, then hardware, then any necessary tools
- Check ACW lumber stock first for best prices
- Other ways to reduce costs:

 Recycled/reclaimed wood
 Facebook marketplace
 Private sawmills
 Habitat for Humanity
 Cull lumber at big box



4 Prepare Workspaces

Set up a clean, organized workspace with good lighting and adequate ventilation

A great time to clean out the home shop!

If working at ACW, great time to learn the shop schedule!

Make sure you have plenty of safety equipment, eye & hearing, push sticks, featherboards

If working with large, heavy pieces, ensure you have enough mobility (or helpers) in your shop and that they can be stored and moved safely

There is **nothing** wrong with spending an hour or more setting up for an important cut. The accuracy and safety are worth it! When You Can't Find Anything In The Shop.

Planing Jointing Sawing Joinery Sanding Assembly Sanding Finishing Sanding

5 | Set and track milestones while during your project

- Set and use gates and milestones to track your progress.
- Rule 2: Sanding always takes longer than you thought it would.
- If working for a client (even a family member), schedule spot checks and acceptance criteria for along the way. This will ensure you're both on the same page at completion.
- Circle back to your original functional goals to make sure they're still going to be reached.
- You still have more sanding to do.



6 | Test and Adjust Regularly

Test, dry fit and measure often to enjoy fewer surprises. They're how you learn. glue-up

Accidents and mistakes will happen.

Test fit parts before

Don't rush things.

Questions?

Presentation and Meeting Recording will be made available

