Toolbox Project

**Tools/Equipment Required**

Mitre Saw

Table Saw

Jointer

Planer

Pipe Clamps, Glue

Router

Drill Press

Belt Sander

Keep this worksheet during the build and use the checkboxes to track your progress.

**Process I – Side Panels**

* Create a **laminated panel** using salvaged boards
* Finish the panels to the overall size to print (Thickness, Width, Length)
* Layout & Cut **Rabbet** joints on the CNC router to accept end panels
* Layout & Cut **Dado** joint on the CNC router to accept bottom panel
* Sand the faces to a smooth finish

**Process II – End Panels**

* Create a 2 **laminated panels** using salvaged boards
* Square both panels then glue together
* Finish the panel to the overall size to print (Thickness, Width, Length)
* Layout the hole, dado, & pattern
* Drill the **blind** **hole** to accept the handle
* Cut the **Dado** joint on the CNC router to accept the bottom panel
* Cut the pattern using the **bandsaw** leaving adequate sanding material; sand the pattern to a fine finish

**Process III – Bottom Panel**

* Create a 2 **laminated panel** using salvaged boards
* Square both panels then glue together
* Finish the Overall size to print (Thickness, Width, Length)
* Sand to a smooth finish

**Process IV – Handle**

* Cut a piece of dowel stock to length
* Turn design on lathe (optional)

**Process V – Assembly**

* Dry fit the assembly and “fine-tune” the material as necessary
* Prepare clamps, then add glue carefully making sure to wipe off ALL OVERSPILL.

 Any residue will show through staining & look sloppy & unprofessional

* Choose a stain by trying it out on a small sample piece of scrap
* Stain (allow 24 hrs to dry) then Varnish your project. Wipe off excess and be sure there is no pooling. Allow adequate time to dry and then submit for evaluation

**CONGRATULATIONS!!! Good work**