

# *"Tolly Style"*

## **Beads of Courage Boxes**

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### Cut PVC Pipe and Wrap with Fabric

1. Mark and cut PVC pipe (5 ½ - 6 ½ inch section)
2. Paint pipe with rattlecan - use lazy susan w/ risers
3. Size Fabric (9" high = one quarter yard - by 21" long)
4. Spray Contact Cement on outside of PVC (use balloon to prevent overspray)
5. Roll fabric on with brayer
6. Finish with Elmer's glue, trim with Xacto knife.
7. Seal with ModPodge (several coats, sand w/ 600 grit to smooth before final coat)



**WOOD PARTS** -- Bandsaw three 7"- 8" blanks from 6/4 (approx. 1 ½ inch) board. Saw square blank, approx. 1 ½ x 1 ½" from border of board for handle.

### Turn the Bottom

1. Mount first blank on faceplate – true face of blank if necessary
2. True up side of blank
3. Measure six inch diameter (three inch radius) circle from center and cut groove ¼" deep groove for pvc pipe (allow for fabric in width of cut) –use thin parting tool.
4. Detail side of the blank, if desired.
5. Remove 1/3 of depth from center of blank with bowl gouge(s) & scraper(s).
6. Sand through grits – 180, 220, 320.
7. Reverse chuck blank onto cole jaws with tailstock up
8. Remove 1/3 of depth from center of blank and detail center. Sand through grits.

### Turn the Top

1. Mount second blank on faceplate, true up the side and cut groove, 6" in diameter (3" radius) from the center as for bottom.
2. Cut a second groove, 4 ½ inches in diameter (2 ¼" radius) from the center half way through blank. Remove the wood from inside the groove to the center of the blank, ½" deep.
3. Reverse the blank and mount on the custom wood jaws chuck. Bring tailstock up.
4. Cut a groove 4 ½ inches in diameter (2 ¼" radius) from the center to remove the center of the blank. This will make the 4 ½" opening in the top.
5. Reverse the blank and remount in the wood jaws chuck.
6. Shape the top and side of blank and sand though the grits,

7. Reverse the blank again onto the wood jaws and remove excess wood on inside of the top. Sand through the grits.

### Turn the Lid

1. Mount the third blank on faceplate, as above.
2. Remove wood from the edge so the lid is 6" in diameter.
3. Cut a groove to fit outside the 4 1/2" opening in the top – the depth should match the thickness of the lid at the opening.
4. Remove wood between the outside of the groove and the edge of the lid – shape the cut to conform to the shape of the top.
5. Turn concave hollow, starting 1/4" inside the edge of the groove cut in step 2. The hollow will be 3/4" deep at center of the blank. Sand through the grits
6. Reverse the blank and mount on the No. 4 tower jaw scroll chuck.
7. Shape the top of the lid. Decorate, if desired. Leave flat center for handle.
8. Drill a 3/8" wide hole in the center to mount the handle. Sand through the grits.

### Five Minute Handle

1. Mount 1 1/4" wood cube cut from wood board in scroll chuck.
2. Bore a 3/4" hole with a forstner bit to fit the BOC bead into. Trim for size.
3. Between centers, spindle turn to make the handle shape. Leave a 3/8" wide peg on the bottom to mount the handle onto the lid.

### Finishing / Assembly

1. Finish wood with at least three coats of Wipe-On Poly
2. Glue the decorated PVC pipe into the grooves. **IMPORTANT:** Do the top first, then the bottom. Glue the bead into the handle and the handle to the lid.

### MATERIALS/SUPPLIES

Fabric – kids designs -- one quarter yard will be approximately 9" x 42". The circumference of the PVC pipe is 20", so this will make two boxes.

PVC pipe -- Six-inch diameter, Thinwall -- Hughes Plumbing Supply is good source.

Wood: 6/4 (1 1/2") by 7-8" wide, 24" long to make three approximately 7" disks and handle -- Artizan is good source – 10% discount for PAW club members.

Spray Contact cement, 3M Super 77 brand Adhesive. Brayer from The Art Store.

Washable Elmers Glue. SoftScrub latex disposable gloves. Matte Modpodge.

1" square tip watercolor wash brush. Minwax satin Wipe-On Poly.

