

# Battle Gear- Battle Axe



The second piece in your battle gear arsenal!

All kids need time to play but it's just as important for them to spend time building and learning with you! What better keepsake than one they helped build! All sorts of messages and logos can be used by modifying the file. Some great things kids can be reminded of:

“Stand Fast”

“Take Courage”

“Stand”

“Walk Worthy”

Initials and their favorite logo is another great touch!

**\*\*WARNING\*\*** If you make this project, after routing, make SURE to sand down all sharp edges and points. Use responsibly- adult supervision is required if using this for anything other than decorative or keepsake purposes.

**Build and Design:** Lawrence DuBose, DuBose ‘of the Woods’ Woodworking  
Created using “Shaper Studio” for the “Shaper Origin” [www.shapertools.com](http://www.shapertools.com)

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Part	Finished Dimensions		
	Length	Width	Thickness
Axe Handle*	15"	1.375"	0.5"
Axe Head*	5.644"	4"	1.25"
Wedges**	2" long, 1/2" thick, tapering from 1/4" to 1/16"		

Giving your shop helper the choice of wood species makes this project even more fun! This was created with a white oak handle a black walnut axe head.

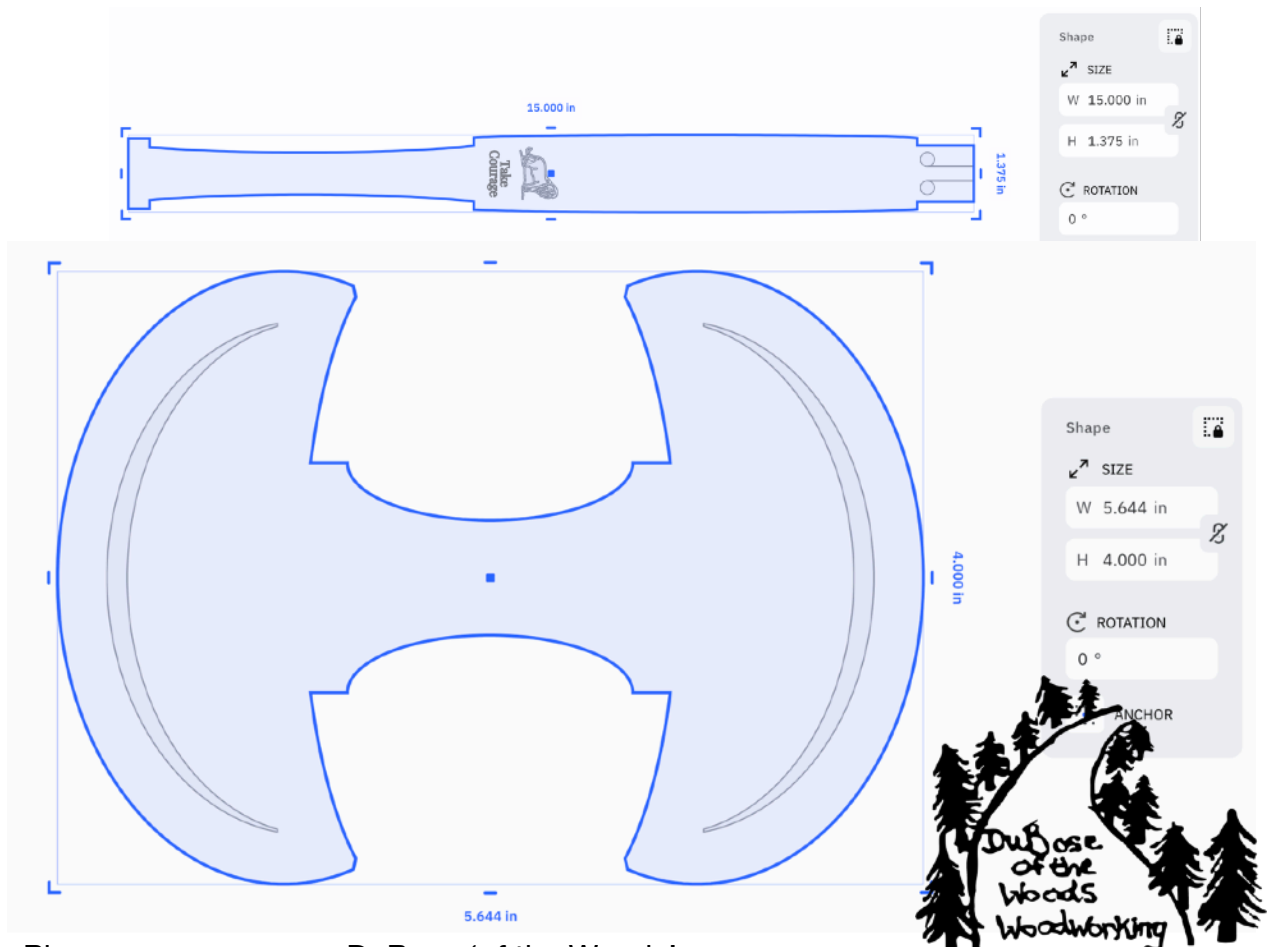
\*I found it MUCH easier to sand all components to 180 grit before routing parts\* Don't sweat router marks - they add the sense of a 'battle tested' piece.

\*\*Mark careful layout marks in the axe head to attach the handle. I used a 'wedged tenon' and elongated the top mortise by 1/8" on either side, but this could be created just as easily with a through tenon held in place by a couple pins or rivets. View a tutorial on cutting wedged tenons if that is a new technique you would like to try.

### Axe

Cut engravings first with an engraving bit, then change to a 1/4" upcut spiral bit to cut recesses for the wedged tenons and finally cut the outline of the axe handle

### Axe Head



**Handle-** I wrapped the handle with material from a local leather shop and helped it stay in place with contact cement. Sport's wrap, paracord, and many other materials also make excellent wrap! Use what you have on hand and, if you have a shop helper, let them decide which they would like!

**Finish-** I added West System Epoxy 206 and 105 with colors to the engraving with a 22 gauge syringe and waited 24 hours for it to cure. I finish sanded and applied a 50 / 50 mixture of pure tung oil and citrus solvent from Real Milk Paint [www.realmilkpaint.com](http://www.realmilkpaint.com) This is a nontoxic finish that is easy to apply.

