Star Wars Shelf Plan
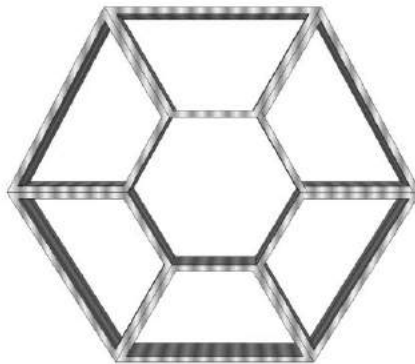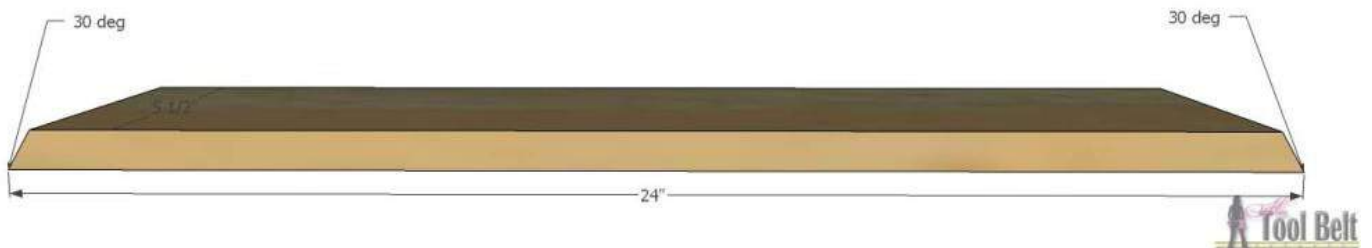

Materials
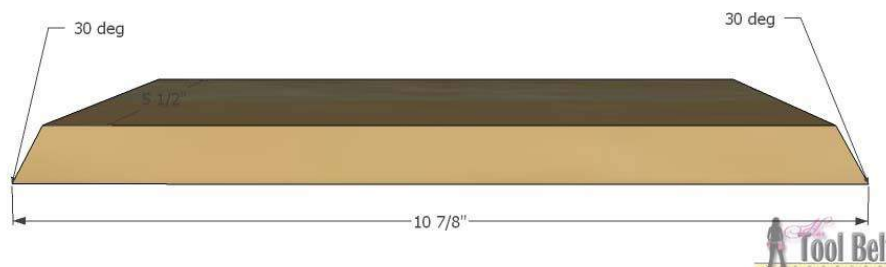
- 5 - 1" x 6" x 8' pine boards
- 1 1/4" pocket holes screws (affiliate)
- wood glue
- wood filler
- sand paper

- paint primer
- 2 ½" screws
- 2 heavy duty hangers - optional
- Modern Masters Silver Metallic Paint (ME150)*
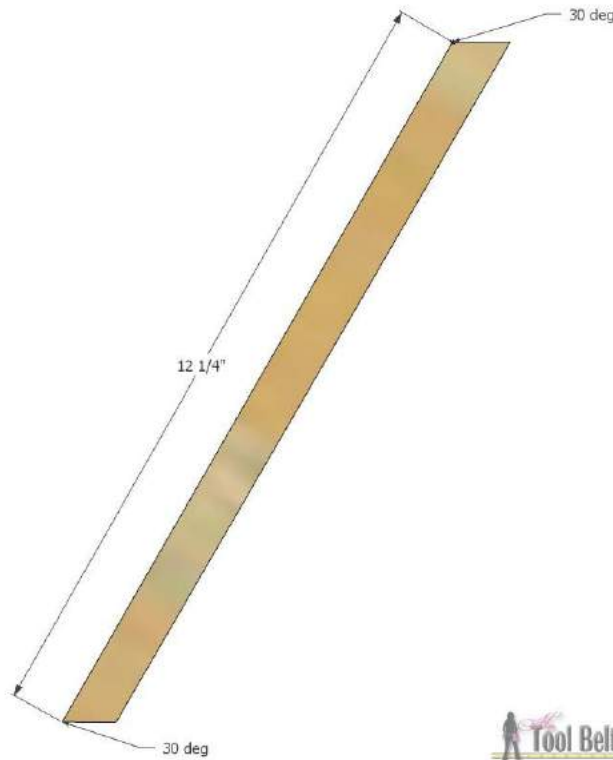
Step 1

Cut 6 pieces of 1 x 6 that are 24" long and have a 30 deg bevel on each end.

Cut 6 pieces of 1 x 6 that are 10 7/8" long and have a 30 deg bevel on each end.

Cut 12 pieces of 1 x 6 that are 12 1/4" long and have a 30 deg bevel on each end, except the bevel needs to be facing the same direction this time.
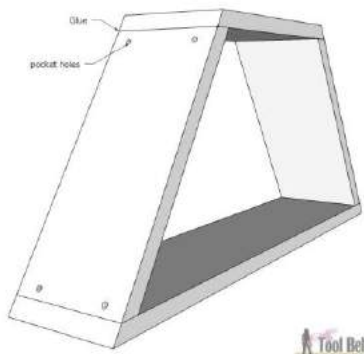

Step 2

On one face of the 12 1/4" pieces, drill 2 pocket holes (affiliate) on each end. Since this is an odd joint, to make sure you are getting enough thread engagement, screw in a 1 1/4" pocket hole screw and see how much thread is showing, aim for about 5/8" - move your collar fwd or back and re-drill to get the right depth.
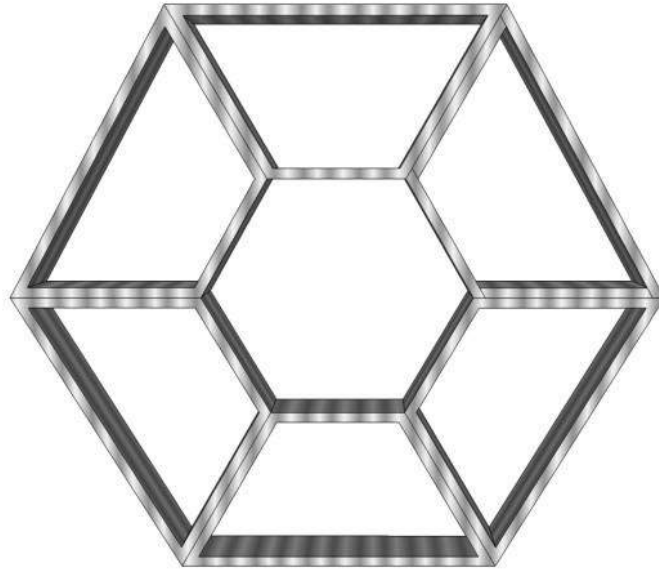
Step 3

Make 6 trapezoids, the pocket holes are going to be on the outside of each trapezoid. Add a bead of wood glue on the ends of the 12 1/4" pieces and join to the 24" and 10 7/8" pieces.

Step 4

To assemble the hexagon, I glued the side faces of the trapezoids and used 1 1/4" screws to secure them together.

Step 5

Sand the hexagon smooth and remove the dust. I primed the wood with Zinsser Bullseye, and let it dry.

Then I painted it with the Modern Masters Silver Metallic paint.

Step 6

Find the studs in the wall to hang the shelf.   Level and mark where the screws should go, I drilled 2 1/2" screws into the studs to hang the shelf. Take the corresponding screw distances and put heavy duty hangers on the shelf, or route keyholes in the shelf to hang it.

See pictures in blog post tutorial for additional details. http://www.hertoolbelt.com/star-wars-shelf-and-hyperspace-wall/