



Creations

Woodshop

youngfoundations.org

WOODSHOP RUBBERBAND PING-PONG GUN

AGE: 10-11

ESTIMATED LENGTH: 3 HOURS

NEEDED MATERIALS:

- 1 - 5/16" dowel 5 inches long
- Glue
- Rubber bands
- Clothes pins
- Ping pong balls
- Mineral oil
- Assorted wood (approximately 24" x 5")

TOOLS NEEDED:

- Miter saw
- Table saw
- Jig saw or ban saw
- Sander
- 3/8" round over router bit
- 1 3/4" bit
- Drill or drill press
- Tape measure
- 5/16" drill bit
- Hammer

INTRO AND CLASS SUMMARY:

- Read Scripture and discuss parable.
- Start class with prayer.
- Play and discuss quote during break.

SCRIPTURES: PSALMS 44:6-7

For I will not trust in my bow, neither shall my sword save me.

But thou hast saved us from our enemies, and hast put them to shame that hated us.

QUOTE: 62-1014M The Stature Of A Perfect Man

What is it? God condescending to His creation. God wants to be worshipped. The word *God* means "object of worship." And it's God trying to condition His people, so he can get from them what He created them for. He never made you to be something else besides a son and daughter of God. If you have missed that, of being a son and daughter of God, you've missed the mark.

And "miss," the word *s-i-n* means "to miss the mark," miss the mark. Then, if I'm shooting at a target, driving a tack at fifty yards, and I shoot; take my gun down and shoot, and I miss it, four or five inches, what's happened? My gun needs tuning up. There's something wrong. And if I miss faith in God, if I miss being a Christian... God put you here to be a Christian. If you're off to one side, come back and get tuned up. And there's only one thing can tune you up, that's the Scripture. The Holy Spirit in the Scripture, tune you, bring you directly onto the target again. That's right.

PING PONG GUN TUTORIAL:

1. Draw design on wood. There are many designs; we chose this one to represent a hunting rifle.



2. Cut the design out carefully. Start with cutting the board to length.



3. Then cut the “Barrel” part of the gunstock about $\frac{1}{2}$ lower than where the clothespin will mount. This will give you a flat surface to attach your clothespin on.



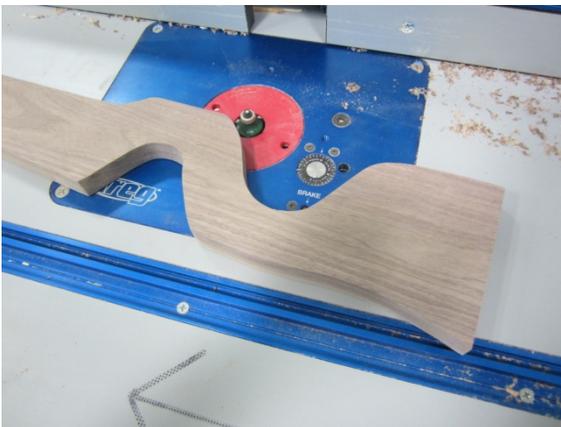
4. Cut remaining outline with a jigsaw or a bandsaw.



5. Sand entire gun blank.



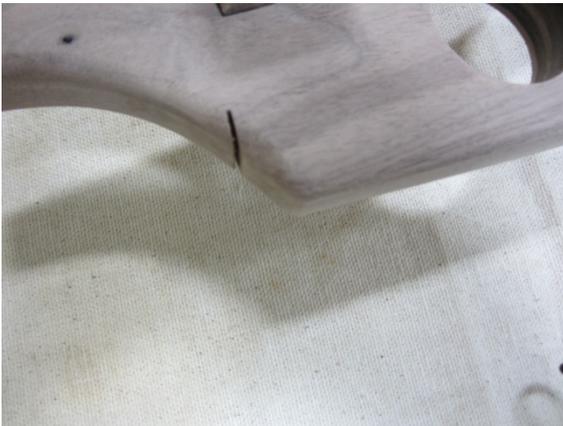
6. We used a 3/8" round over router bit on all the edges.



7. Layout and drill the holders for the extra Ping-Pong balls. Drill a 1 3/4" hole, 1 1/2" down from the top edge of the barrel and 2 1/4" apart from center to center.



8. Cut notches for rubber band. The rubberband holds the extra Ping-Pong balls from falling out.



9. Cut the block that holds the front posts; $\frac{3}{4}$ " thick, $1 \frac{3}{8}$ " wide, and $4 \frac{1}{4}$ " long. Drill two $\frac{5}{16}$ " holes $3 \frac{1}{2}$ " apart and centered on block, then sand.



10. Glue clothespin to top rail using super glue. Position the block about 6" from edge of clothespin to center of block. Then mark both edges of block and the depth of the block on the barrel.



11. Cut out the notch for block.



12. Glue two 5/16" 2 1/2" long dowels in block. Then using Titebond III, glue block into the notch and pin nail it in place.



13. Clean off excess glue and do final sand.



14. Apply Mineral oil.



15. Install rubber bands and enjoy!

