



*Creations*

**Woodshop**

*youngfoundations.org*

## **WOODSHOP STILTS**

**AGE: 10-11**

**ESTIMATED LENGTH: 3 HOURS**

### **NEEDED MATERIALS:**

- 7/8" x 1 3/4" wide x 7ft long piece of hard wood.
- 35" long 3/4" thick 5" wide piece of hard wood.
- About 16 - 1 5/8" wood screws
- A finish for your wood of your choice (we used mineral oil)
- Optional: If making a lot of stilts you can make a jig by getting some 3/8" inside diameter aluminum pipe and cutting pieces 3/4" long and then drilling holes in a 3/4" piece of wood 4" on center and driving the pieces of pipe into the holes. You will want to drill a hole the same size or slightly smaller than the aluminum pipe.

### **TOOLS NEEDED:**

- Miter saw
- Table saw
- 3/8" Drill Bit
- Drill and a drill press if available
- Router with or without a router table

### **INTRO AND CLASS SUMMARY:**

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

### **SCRIPTURES: Amos 3:7**

*Surely the Lord GOD will do nothing, but he revealeth his secret unto his servants the prophets.*

### **QUOTE: 57-0120M The Impersonation Of Christianity**

Now, the hawk is a bird, and so is--is the other birds. But the eagle was made thus, because he is a high soaring bird. And he can go way so high until he can see things that the other birds cannot see, because he's higher. And God in making the eagle made him for that purpose, because his nest is higher than the others. His little ones is up in the nest, and they feed on the ground. So in order to see the storm or the trouble coming, the

eagle to survive must go higher so he can protect his little ones.

And God likened the prophet to the eagle that would go in the makeup of a prophet. He is a--a seer that in the Spirit climbs beyond the emotion of the church. He goes beyond the rhythm of the music. He goes beyond the clapping of the hands. He goes beyond the joy among the saints. He goes beyond all that. God brings him up into a realm alone: alone. Then He opens his eyes, and He lets him look around and see things that is to come. Then He brings him back down among the members of the body to foretell them of what is in the making.

### **STILTS TUTORIAL:**

1. Select boards that are free of knots and checks.



2. Plane the boards to a thickness of  $\frac{7}{8}$ " and cut poles to  $1\frac{3}{4}$ " wide by 7ft long.



3. Mark and drill 3/8" holes 4" on center starting at the bottom up to 2ft high on the boards



4. Cut out 4 boards for the foot rests that are  $\frac{7}{8}$ " thick by 7" tall and width being 5" at top tapered to  $1\frac{3}{4}$ " at the bottom. Also cut out two tops  $\frac{7}{8}$ " thick by 5" long and  $3\frac{1}{2}$ " wide.
5. Glue and screw foot rest together using  $1\frac{5}{8}$ " screws by putting glue on the two tapered boards for one foot rest, then screwing them together. Do the same for the other foot rest. Then glue and screw the top of the foot rest onto the tapered boards.



6. Drill two holes on each of the foot rests. Find the center on the side of the foot rest and measure 2" down and 2" up from center for your holes. These holes should have the same spacing and have the same alignment as on your pole.



7. Router the edges of the pole using a  $\frac{3}{8}$ " round over bit for a comfortable grip (if you do not have a router, use a sander to round over the edges of the pole).



8. Sand foot rests and poles carefully starting with 120 grit working up to 220 grit sand paper.
9. Apply finish (We used mineral oil.)



10. Attach steps with 3½" x 3/8" bolts with nuts and washers, and that should finish it up. Be careful and avoid using them inside or on a slick surface!

