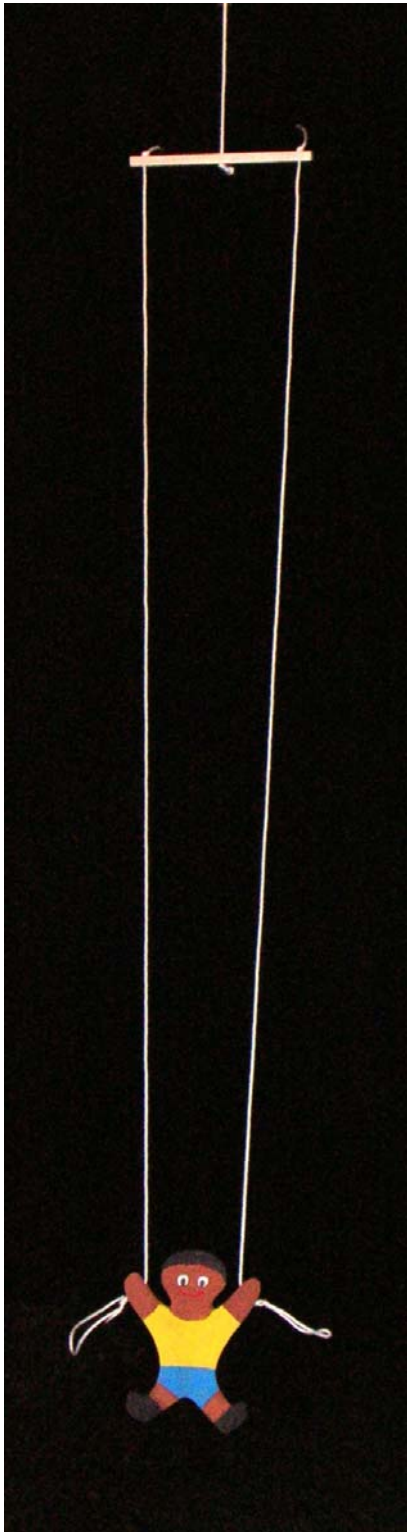


Climbing Cub Scout

Pull one rope, then the other, to make the cub scout climb the rope. Release both ropes, and he slides back down!



Climbing Cub Scout

Lessons:

- Practice sawing with a coping saw (perseverance)
- Practice tying bowline knots
- Positive “active scout” image
- Artistic expression
- FUN!!!
- Appropriate for Bear or Webelos

Tools:

- Carbon paper, to transfer the pattern to the wood
- Coping saw
- Clamps or “birds mouth” to support the blank while cutting out the cub scout shape
- Rasp, files, sandpaper (any or all of these), to smooth the edges of the cub scout after sawing
- Drill with 3/16 inch diameter bit
- Paint

Climbing Cub Scout

Materials:

- 10 ft of $\frac{1}{4}$ inch braided rope
- 6 inch x 8 inch x $\frac{3}{4}$ inch thick pine (blank to cut out the cub scout figure)
- $\frac{3}{4}$ inch x $\frac{3}{4}$ inch x 8 inch long pine or hardwood (toggle bar at the top of the ropes)

Procedure:

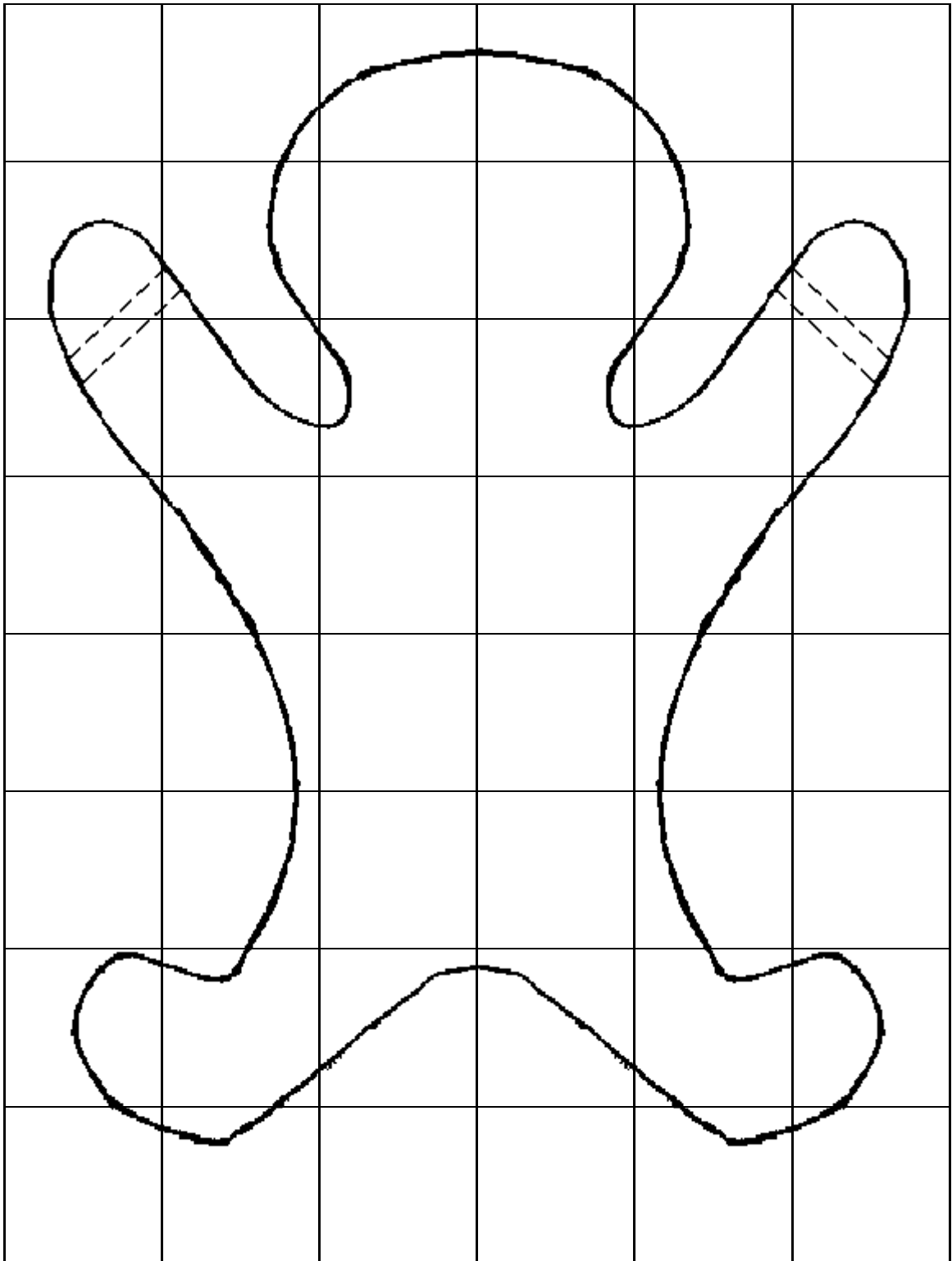
1. Transfer the pattern to the wood using carbon paper.
2. Clamp the blank piece of wood to the edge of a sturdy table, and saw the cub scout shape out using a coping saw (handle below the workpiece)
OR
Clamp a “birds mouth” jig to the edge of a sturdy table, and place the blank on the birds mouth. Saw the cub scout shape as above, rotating the workpiece so that the saw remains in the open “V” notch of the birds mouth.
3. Smooth the edges of the cutout with a rasp, then a file, then sandpaper. If you don't have all of these, use what you have.

Climbing Cub Scout

Procedure (continued):

4. Drill 3/16 inch diameter holes in the arms of the scout, being careful to follow the guidelines on the pattern.
5. Paint the cub scout cutout. This might be a good time for a break. The project could be completed quickly at the next den meeting.
6. Saw the toggle bar to 8 inch long. Drill three 3/16 inch diameter holes: one at the center, and one at 3¼ inch on either side of center.
7. Cut 1 foot of rope off of the 10 foot length. Tie an overhand knot in one end, pass it through the middle hole of the toggle bar. Form a loop at the other end of the rope using a bowline knot. The side of the toggle with the loop will be the TOP.
8. Cut the remaining 9 foot length of rope into 2 equal length pieces (about 54 inches long). Tie an overhand knot in one end of each rope. Thread each rope through one of the remaining holes in the toggle, with the overhand knot on the top of the toggle.
9. Thread the free ends of the long rope through the hands of the cub scout cutout, from top to bottom. Form a loop at the end of each rope, using a bowline knot.

Climbing Cub Scout pattern



Squares are 1 inch per side