

Children's Learning Toy

1. Cut the base from a 3/4" thick piece of stock of your choosing. (please note that the base on the pattern is not to scale and should measure 2-1/4" wide X 13-1/8" long)
2. Mark and drill a 5/8" diameter hole, 1/2" deep in the locations described in the instructional video.
3. Cut the 5/8" diameter dowels. You will need 5 pieces cut to the dimensions listed on the plans. This part of the plan is to scale so you can check your measurements against the pattern if you wish.
4. Rout a round-over of your choice around all sides of the base and then sand the base and the dowels.
5. Glue the dowels into the holes drilled in the base. The dowels should get progressively taller from left to right as you glue them in place.
6. Print the shapes pattern at 100% and using spray adhesive, attach the patterns to some 5/8" thick stock of choice.
7. Drill the 3/4" diameter through holes in each of your pieces.
8. Cut all shape pieces out. You can use whatever method you like for this but I found the scroll saw to be easiest. Other methods include the band saw or a coping saw.
9. Give all the pieces a thorough sanding and if desired, put a 1/8" round-over on all sides of all the pieces.
10. Leave the project plain or finish as desired.

This project may be painted if you wish. A good variation of painting is to paint all the pegs a different colour before they are glued into the base. You can paint each of the pieces the same colour as the peg that they get stacked on to encourage colour recognition. Numbers can be painted or stencilled onto the base in front of each peg starting with the number one on the smallest peg and ending with the number 5 on the largest peg. This will encourage counting from one to five. All in all, use your imagination and have fun. This is a great scroll saw skill builder.

I hope you enjoy making the project.

Ken

If you are interested in the video tutorial of this project, you can find it here.
<https://youtu.be/XipY2hFTehA>

Dowels

5/8" X 2-3/16"

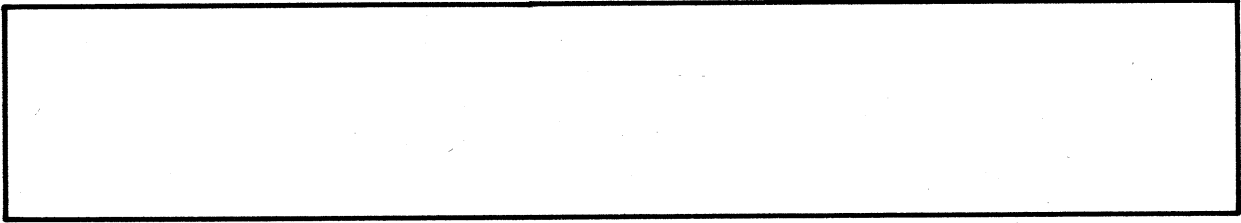
5/8" X 2-7/16"

5/8" X 2-15/16"

5/8" X 3-1/2"

5/8" X 3-15/16"

Base



Not to Scale. 2-1/4" X 13-1/8" X 3/4"



Measure For Scale. Should be 4" long

