

MAKING STAIRS IN BOTTLE

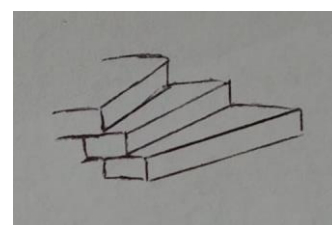
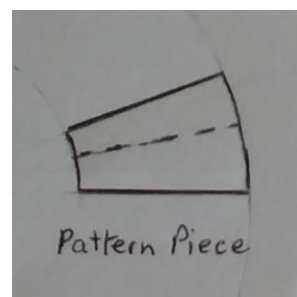
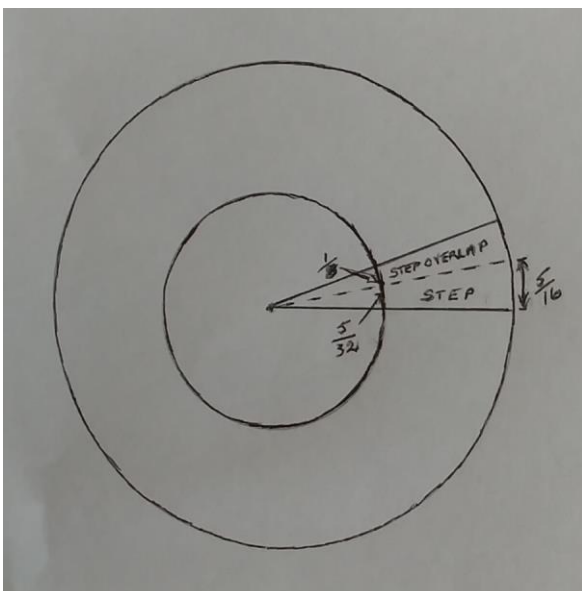
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I am not very tech savvy so hope this explanation makes sense.

Firstly, establish base stairs are to sit on, and ensure it fits within when top of bottle is screwed on. This will help you keep the spiral more accurate during construction of steps.

Draw a circle with diameter the size of inside of bottle, marking centre point, then a second circle inside this at the width stairs are to be.

Draw radiating lines from centre point for depth of steps are to be and another about 1/8" extra - this will be the overlap on which to glue next step.



Cut out pattern and cut out in wood or desired material.

I used 1/8" wood to make my steps giving a height of about 6 scale inches per step.

Glue following steps on allowed overlap of previous step and build up to required height. Test fit inside bottle, before glue dries, every few steps to ensure they are following correct curvature. I found because inside curve area of step is so slight, I had a tendency to expand the outer edge larger than the bottle diameter. A check before glue dries (I used PVC wood glue) allows for correction.

Tip: As stairs climb higher a square placed against the outside of base board helps aid alignment of the outer edge of the steps.

Clear as mud I suppose but it might give you some ideas to try.

QC Comment: This is a great tutorial for any type of circular stairs – not just stairs in a bottle.