

Teckel Ramp

(Disclaimer: This is a work in progress! One of the things our testers tried was carving arched notches to connect pvc lengths. This didn't go as planned because of the circular shape of the pvc.

Also, a flaw in the design was discovered when connecting the elastic. The sides will need to collapse horizontally rather than vertically. Put one triangle over the other, and lay the dowel ramp flat on top before putting the ramp away. Additional dowels need to be used to make an 'x' in the base to improve stability! Photos, updates, and more designs will be coming soon!)

Materials:

- * PVC pipe or other hollow, rigid material such as bamboo
- * many slim dowels cut to the same length
- * length of narrow elastic
- * drill and bit the same radius as the dowels

Directions:

Step 1: Measure. Decide where you want to use the ramp and get measurements for height, depth, and angle.

Step 2: Using a Dremel, carve a channel to put the dowels into on the inside edge of the two pvc pipes that will form the edges of the ramp. Drill 1 hole in the middle of each pvc length that form the base, here you will place extra dowels for added stability.

Step 3: Insert all the dowels into the channel.

Step 4: Cut four pvc pipes that will form the collapsible base. Two should be of height measurement, and two of depth.

Step 5: Thread the elastic through all the pvc pipes forming a triangle and tie knots in the end. Once the elastic is threaded, the pipes for the base should act like segments in a collapsible walking cane. Stretch the elastic to fold and collapse them, then stretch it again to set them upright. They brace against each other to form a sturdy ramp. If you do not need the ramp to be collapsible, consider using pvc joints to help you construct the base.

- Disclaimer: this is a work in progress, one of the things our testers tried was carving arched notches in the connecting pvc lengths. This didn't add

to the stability, and created problems because of the circular shape of the pvc. If the notch is not just right, the other pipes roll out of it.

- A flaw in the design was discovered when connecting the elastic. The sides will need to collapse horizontally rather than vertically. Put one triangle over the other, and lay the dowel ramp flat on top before putting the ramp away.