

Quick Rain Chain – hope to test during next rainfall!

I used five clear 1-L seltzer bottles and a 20-oz green soda bottle. Left the lids on some, took off others. First cut them in half, trim them down, and use both halves. Trimmed them with a wavy edge using small student scissors. I poked the holes with more pointed scissors, POINTED SAFELY AWAY FROM MYSELF. Adults should do that step.





- I could not find a chain around the house that would be long enough, so I made one with colored zip-ties. They came in a cylinder with many sizes and colors – possibly from Walmart. I can't remember.
- My zip ties had to be bent with the smooth side out in order to make them lock. Experiment with that so they don't come apart.
- It is OK if the bottle-cups have holes at the bottom because I just want the water to be slowed down a little and follow interesting paths as it travels. It does not have to fill each bottle-cup perfectly.
- The plastic at the center of the bottle bottom is much harder to pierce – just move away from the center a little with the scissors.
- The edges of the plastic are somewhat sharp, so maybe wearing a pair of those cheap knit winter gloves when threading the zip ties through the holes would be a good tip for younger kids. I didn't get any cuts, though, without gloves. Any small pieces cut off should be immediately put in a bucket or something to keep pets and people from stepping on them later.
- Kids could paint the bottle-cups to make them more visible. The clear ones are almost invisible.