Can we make a homemade Kazoo?

Science: Physics of sound

DIY Project of the month April

Procedures

1. Cut out a sheet of wax paper. Take a ruler and measure a 6' x 6' square. If you do not want to measure, then please make a square that is bigger than your parents cell phone.
2. Prepare your paper towel roll and stand it up so it is balanced and stable on the table (rhyme). Take the wax paper square and wrap it around the end of the paper towel roll. Use your rubber band so that the wax paper is secure and tight.
3. Put the open end of the tube up to your mouth and start to hum like a bee. Try and talk through this machine. Try making different sounds both high and low.
4. Please try and change the length of your kazoo to see if the sound changes. If you have a bunch of paper towel rolls try and make different sized kazoo's to see if anything different happens.
5. Lastly, as you are humming into your kazoo try to take your finger and gently touch the closed end with the wax paper. Do you feel something? Do you know what that is? This is a vibration and it is one the things that is needed for sound to be made.

Materials

Cardboard tube , wax paper , Rubberband , Ruler