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<https://edu.glogster.com/glog/musical-instrument/38gxli8w5ba/>

# Hosepipe Horn

Shonda Baggette

## Materials

10 foot hose, funnel, hot glue, duct tape

## Initial Design

My inspiration for this project was from my 16 year old son. He plays trombone in his high school jazz band. I was very happy when he volunteered to help me. ( for a small price for his gas money) . After making modifications by changing the funnel and mouth piece we discovered you could make different sounds,( by amplifying the sound.) The bigger the funnel the more mellow the sound. I also discovered the horn is harder to play than it looks.

This is the initial design of the hosepipe horn. The pitch of the instrument depends on the volume of air that is vibrating, as well as the speed at which the player's lips vibrate. By buzzing the lips faster or slower, the player can cause the air in the tube to resonate at different harmonics. Loud volume depends on the movement of air through your mouth in a shorter time, which means you'll have to blow less forcefully and mouth more wide open. To make a soft volume you narrow your mouth. This is very hard for me to play!!