

Turkey Baster Flute

Application: Sound

Whenever an object in air vibrates, it causes compression waves in the air. These waves move away from the object as sound. There are many forms of the vibration, some not so obvious. The back and forth movement of a loudspeaker cone, guitar string or drum head result in compression waves of sound. Blowing across a bottle top or tube closed at one end can also create sound. Varying the length of the tube will change the frequency (pitch) of the sound.



Materials:

- Turkey baster
- Food coloring
- Water
- Beaker/Jar
- Rubber bands

Preparation:

Mix food coloring and water in a beaker/jar. Squeeze the bulb on the turkey baster and fill it with water.

Demonstration Procedure:

Turn the baster upside down and blow across the top to produce a sound. Squeeze the bulb while doing this and the pitch of the sound will change. Use the rubber bands to mark the tube portion of the baster at whole note intervals.

Disposal:

The water and food coloring can be safely flushed down the drain. The baster can be rinsed and stored for future demonstrations.

References: HOWTOONS <http://www.instructables.com/howtoons/>