

Straw Kazoo

Simple STEM Activity

Purpose:	The purpose of this activity is to demonstrate sound.
Standard(s):	<p>S1P1. Obtain, evaluate, and communicate information to investigate light and sound.</p> <p>d. Construct an explanation supported by evidence that vibrating materials can make sound and that sound can make materials vibrate.</p>
Materials:	Straw, scissors
Procedures:	<ol style="list-style-type: none"> 1. If your straw has paper, remove the paper covering. 2. Flatten out one end of the straw. 3. On the flattened end, cut into the shape of a v. 4. Open the flattened end of the straw. 5. Blow through the straw.
Science Behind It:	Vibrations are the cause of the sound. Objects vibrate (straw when you blow into it) and the air around it vibrates. If the air is vibrating fast enough, you may actually hear the sound. If you were to change the length of your straw, you would change the sound.
Questions to Ask:	<ol style="list-style-type: none"> 1. How is the sound produced? 2. How does the sound change when you change the length of straw?