

# Harmonica Vibration

Sound is created when matter vibrates. You can feel the vibrations as you play this really simple harmonica.

Can you tell what is vibrating when you play it?



## Materials

2 large craft sticks  
2 strips of paper  
rubber band  
tape



## Assembly

Lay 1 stick on top of the other. Wrap one paper strip around the two sticks a half inch from the end. Wrap until the whole paper strip is used. Tape it so it holds together.

**Don't tape it** to the sticks. Repeat this with the other strip and place it half inch from the other end of the sticks.

Carefully slide out one stick. Using this stick, wrap the rubber band around it the long way (lengthwise).

Place the stick with paper strips on top of the stick with the rubber band. Tape both ends of the 2 sticks together by wrapping the tape around them. Avoid taping the paper strips.



## Playing the harmonica

Your harmonica is now ready to play. Blow while holding the harmonica between your lips and observe the sound. You can change the sound it makes by sliding the strip(s) and comparing this sound to the previous sound. Experiment with the sounds you make by sliding the strips and changing the way you blow. Have Fun!

