

MAKE A HARMONICA!

1. Stretch the wide rubber band over one of the craft sticks lengthwise.
2. Use your scissors to cut four pieces of straw, each 2-3cm long.
3. Place one of the pieces of straw under the rubber band perpendicular to the craft stick, about 4cm from the left side of the craft stick. This is Straw 1.
4. Place another piece of straw on top of the rubber band to the right of Straw 1. This is Straw 2.
5. Place the third piece about 4cm from the right side of the craft stick, under the rubber band. This is Straw 3.
6. Place the last piece to the right of Straw 3, on top of the rubber band. This is Straw 4.



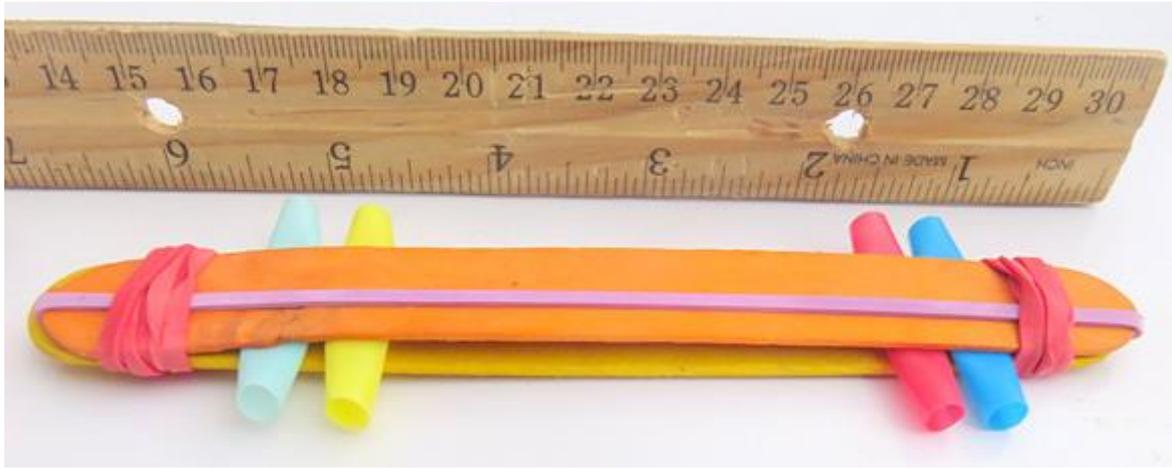
7. Straws 1 and 4 should be closest to the ends of the craft stick, while Straws 2 and 3 should be in the middle.
8. With an adult to help you hold the straws in place, put the second craft stick on top of the first one, creating a sandwich with the pieces of straw between the craft sticks.
9. Secure this sandwich by wrapping a small rubber band approximately a 1cm from each end of the sticks. The ends of the sticks should be pinched together with a small space between them created by the straws.



10. Use your paper and pencil to draw a table with two columns and five rows. Label the first column "distance between middle straws" and fill in each space below with: "5cm," "4cm," "3cm" and "2cm." Label the second column "tone of sound."

Procedure

1. To start, move Straws 1 and 4 as close to the ends of the craft stick as possible. You can move the straws by gently sliding them back and forth, but be careful not to pull them out of the sandwich!
2. Slide Straws 2 and 3 away from each other so that there is a distance of approximately 5cm between them.



3. Hold your instrument like a sandwich, with one hand gently holding each end. Try to keep your fingers on the small rubber bands on either side.



Blow through the opening between the craft sticks as though it is a harmonica (do not blow through the straws!).
If you move the straws you will get different notes. Give it a try!