

## HARMONICA

**Materials required:** ice cream sticks, OHP sheet, binder clips, small pieces of straw.

1. Place 2 thin transparent OHP strips in between 2 ice-cream sticks to make it look like a sandwich.



2. Use the binder clip to join the 2 ice cream sticks at one end.



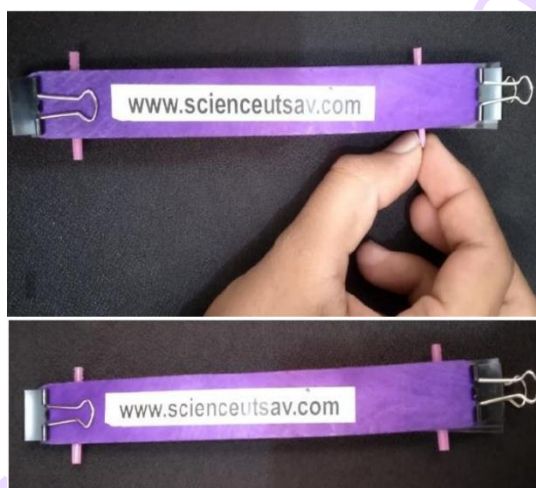
3. Insert a small straw in between the 2 ice-cream sticks and push it till the binder clip.



4. Use the binder clip to join the other end of the ice cream sticks.



5. Insert another straw at the other end of the ice cream sticks near the binder clip.



6. Your harmonica is ready! To play the harmonica, all you have to do is blow! Hold it between your lips tightly and just blow. When you blow, the OHP sheets sandwiched between 2 ice-cream sticks vibrate and make a sound! Repeat the experiment using paper strips instead of the OHP strips and observe if there is any change in the sound.



## PAPER PATAKA

**Materials required:** A rectangular paper, newspapers, magazines, old drawing sheet, plastic sheets, etc.

1. Take a rectangular paper.



2. Fold the paper thrice from one shorter side.



3. Fold the paper in half leaving the folds outside as shown below.



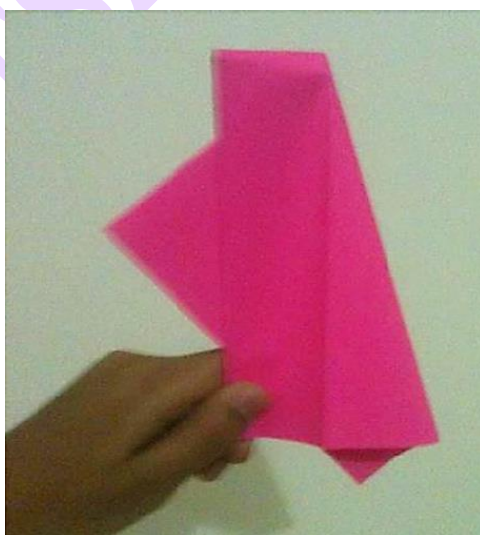
4. Hold the folded paper bar in one hand and the part which is left unfolded on the other hand.



5. Push the unfolded paper slightly down by holding the folded paper bar in one hand, as shown below.



6. Hold the two tips of the folded paper bar together as shown here.



7. Flap the paper pataka swiftly. The air molecules are disturbed and hence the sound is produced.



SCIENCEUTSAV DO NOT COPY