

A STEM in the Park

Take Home Activity

STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

Popsicle Stick Harmonica

What You Need:

- Flat toothpick
- 2- Wide popsicle sticks
- 1- Piece of paper 5 inches long by 7/8 inches wide
- 2- Rubber bands



What To Do:

1. Break off two pieces of the toothpick as wide as the Popsicle stick.
2. Lay one piece of the toothpick at one end of the Popsicle stick.
3. Lay the piece of paper over the toothpick and the length of the Popsicle stick.
4. Place the other toothpick piece on top of the paper at the opposite end of the Popsicle stick.

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What To Do cont.

5. Wrap one rubber band onto each end of the Popsicle sticks where the toothpicks are located.
6. Use non-toxic markers or crayons to decorate the middle of the Popsicle stick on both sides.
7. Holding the harmonica to your mouth, blow quick, short breaths until you produce a noise. Move the harmonica along your mouth to change the noise.

The Science:

Noise is produced from the vibration of the paper. The paper vibrates when air is blown between the Popsicle sticks.

This activity is brought to you by Imagine Madison Avenue School of Arts

