

# POPSICLE STICK HARMONICAS



**SUPERNOVA**  
DALHOUSIE UNIVERSITY | HALIFAX, NOVA SCOTIA

**MAKE YOUR OWN MUSICAL INSTRUMENT!**

## MATERIALS

**5**

- 2 popsicle sticks
- 1 wide elastic band
- 2 thin elastic bands
- 1/4 sheet of construction paper
- Scotch tape

**30 MINS**

## PROCEDURE

### Step 1

Lay one popsicle stick on top of the other. Cut two 1 cm wide pieces of paper, making sure they're long enough to wrap around the stacked sticks,

### Step 2

Wrap the paper around either end of the popsicle sticks (leaving a wide gap in the centre where you will blow into) and tape into place (make sure not to adhere to popsicle sticks).

### Step 3

Slide one popsicle stick out, and wrap the rubber band around the stick with construction paper pieces, lengthwise.

### Step 4

Stack the popsicle sticks again (without inserting the free stick back into the construction paper) and secure at either end using the 2 thin elastic bands. The small elastic bands should run parallel & be beside the construction paper. Give your harmonica a blow!

**CHECK OUT [THIS LINK](#) FOR A VIDEO TUTORIAL!**

## PURPOSE & SCIENCE OUTCOMES

- Larger objects vibrate slowly and produce a low-pitched noise, while smaller objects vibrate quickly and produce a high pitched noise. This is how musical instruments make notes.
- Try moving around the strips of paper to change the pitch on your harmonica!

**ANY QUESTIONS? REACH OUT @SUPERNOVAATDAL**