

WATER XYLOPHONE



SUPERNOVA
DALHOUSIE UNIVERSITY | HALIFAX, NOVA SCOTIA

MAKE YOUR OWN MUSIC ON A WATER XYLOPHONE!

MATERIALS

8-10

6 glass cups

1 wooden skewer, 1 metal fork, 1 plastic spoon, 1 pencil; all used to tap the glass cups. Be creative!

Food colouring

30 MINS

PROCEDURE

Step 1

Tap the empty glass jars to hear the sound. What do you think will happen once water is added?

Step 2

Add different amounts of water to the glasses, and add food colouring to give it a classic xylophone look.

Step 3

Test out your new xylophone with a variety of different instruments. How does the sound differ?

TRY MAKING A SONG ON YOUR NEW XYLOPHONE!

PURPOSE & SCIENCE OUTCOMES

- Pitch refers to the perceived frequency of a sound that allows it to be classified as high or low.
- Less water creates a higher pitch, more water creates a lower pitch.
- This is how our brain distinguishes between frequencies!

ANY QUESTIONS? REACH OUT @SUPERNOVAATDAL