

CUP PHONE COMMUNICATION



SUPERNOVA
DALHOUSIE UNIVERSITY | HALIFAX, NOVA SCOTIA

MAKE YOUR OWN PHONE TO LEARN ABOUT HOW SOUND TRAVELS!

MATERIALS

3

- 1 pin
- 2 paper or plastic cups
- Approximately 3m of thin string

30 MINS

PROCEDURE

Step 1

Make a hole in the center of the base of both cups, using a pin. *Make sure an adult does this!

Step 2

Tie one paperclip to one end of the string.

Step 3

Pull the other end of the string through the hole in one of the paper cups. The paperclip should be inside the paper cup.

Step 4

Insert the free end of the string into the hole in the bottom of the second paper cup. Insert it from the outside of the cup, and tie it to the second paperclip.

Step 5

Pull the cups apart so that in each cup the paperclip rests flat on the floor of the cup and the string is taut!

*The string must be taut in order for the phone to work...

FIND A PARTNER TO TEST OUT YOUR NEW PHONE!

PURPOSE & SCIENCE OUTCOMES

- Vibration of particles creates waves that can be heard.
- When you speak through your cup phone, you're causing particles to vibrate along the string!

ANY QUESTIONS? REACH OUT @SUPERNOVAATDAL