

**Please use the following resources to learn about soundwaves!**

**Watch this Video:** <https://www.youtube.com/watch?v=3-xKZKxXuu0> and then answer these questions:

- What is sound?
- How does sound travel through the air?
- What needs to happen for your ears to hear a sound?

**Activities:**

1. Watch this video and follow the instructions to make a string phone!

<https://www.youtube.com/watch?v=3yqB2KFwJCo>

You will need:

- 2 disposable cups (paper or plastic)
- 1 long piece of string
- A small piece of tape
- 1 sharp pencil or a pair of scissors\*  
(\*Use with adult supervision!)

2. Follow the instructions on this page to make “Secret Bells” - an instrument only you can hear!

<https://www.exploratorium.edu/snacks/secret-bells>

You will need:

- 1 metal clothes hanger (or a lightweight metal kitchen utensil such as a whisk or tongs)
- 2 long pieces of string
- 1 pair of scissors\*  
(\*Use with adult supervision!)

**Make observations & use Claims, Evidence, and Reasoning!**

1. **Claim:** Sound can travel through air (gasses), water (liquids), and solids.

- **Evidence:**

- **Reasoning:**

2. **Claim:** If you were floating out in space, you would not hear any sounds.

- **Evidence:**

- **Reasoning:**