



SfS Away from the Classroom!

P10: Sound (Recommended for Grades 3-5)

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:

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

You will need:

<ul style="list-style-type: none">• 2 disposable cups (paper or plastic)• 1 long piece of string	<ul style="list-style-type: none">• A small piece of tape• 1 sharp pencil or a pair of scissors* (*Use with adult supervision!)
---	--

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

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

You will need:

<ul style="list-style-type: none">• 1 metal clothes hanger (or a lightweight metal kitchen utensil such as a whisk or tongs)	<ul style="list-style-type: none">• 2 long pieces of string• 1 pair of scissors* (*Use with adult supervision!)
--	--

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

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:**

