

Classical Kids Activity

The Science of Sound!

There are easy ways we can **hear**, **see**, and **feel** sound waves.
Here are some easy sound experiments you can do at home!

#1) Speaking Waves

Lean to feel sound waves in this experiment that anyone can do!

Materials:

- Your voice
- Your hand

Directions:

- Take your hand and use it to cover your mouth
- Using your voice, try to talk or sing

Questions:

- What did you feel with your hand?
- What happens when you talk or sing quieter? Louder?
- Where do you think the sound vibrations come from?



#2) A Cup of Sound

We make our own instruments in this easy experiment!

Materials:

- A cup
- A rubber band

Directions:

- Stretch the rubber band around the top and bottom of the cup
- Pluck the part of the rubber band that stretches across the cup



Questions:

- Do you hear something when you pluck the string?
- What is the rubber band doing to make that sound?
- Adjust the rubber band over the top of the cup. What happens to the sound you hear when you tighten or loosen the rubber band?
- Try a different size of cup. Did anything change?



#3) Reverberating Beethoven

Beethoven did this experiment. So can we!



Materials:

- Piano
- Unsharpened pencil
- Family or friend to help
- Ear plugs (Optional)

Directions:

- Plug your ears using your fingers or earplugs if you have them
- Have your helper play some notes on the piano (you can probably still hear them)
- Hold the non-eraser side of the pencil between your teeth
- Touch the eraser side of the pencil to the piano

Questions:

- What happened when the pencil touched the piano? Did what you hear get louder?
- Why do you think Beethoven did this when he played piano at times?

#4) Sounds of the Orchestra

Hear and feel orchestra at our dress rehearsal on November 16th!

Materials:

- You
- The Bellingham Symphony Orchestra

Directions:

- Come for our Classical Kids activities on November 16th
- See more sound experiments
- Hear and feel the sound of an orchestra!



Classical Kids members are invited to join us at the Dress Rehearsal for our upcoming concert on Saturday, Nov. 16!

Saturday, November 16
10:00AM to 1:00PM
Mount Baker Theatre

1st Half: 10:00 AM to 11:00AM

The orchestra will be practicing Saint-Saëns' Cello Concerto and Beethoven's Egmont Overture.

Short Break: 11:00AM to 11:25AM

2nd Half: 11:45AM to 1:00PM

The orchestra will be practicing Borodin's Symphony No. 2.