

# First Grade 2020 Science Unit #2: Sound

Content Area: **Science**  
Course(s): **Science 1, Generic Course**  
Time Period: **Marking Period 1**  
Length: **Approximately 6-8 weeks**  
Status: **Published**

## Established Goals/Standards

---

CAEP.9.2.4.A.1	Identify reasons why people work, different types of work, and how work can help a person achieve personal and professional goals.
CAEP.9.2.4.A.3	Investigate both traditional and nontraditional careers and relate information to personal likes and dislikes.
1-PS4-1.PS4.A	Wave Properties
1-PS4-1.PS4.A.1	Sound can make matter vibrate, and vibrating matter can make sound.
1-PS4-4.PS4.C	Information Technologies and Instrumentation
1-PS4-4.PS4.C.1	People also use a variety of devices to communicate (send and receive information) over long distances.
K-2-ETS1-1.ETS1.A	Defining and Delimiting Engineering Problems

## Essential Questions

---

Please add your Essential Questions by clicking on the Lists tab above.

- How can sound make objects move?
- How can we communicate with sound?
- What is sound?
- What is volume and pitch?

## Enduring Understanding

---

Please add your Enduring Understandings by clicking on the Lists tab above.

- People can use a variety of devices to communicate (send and receive information) over long distances. People communicate by talking using spoken words, with music (communicating feelings and ideas), shouting, whistling, using a phone, etc.
- Sound is a kind of energy that you hear when something vibrates.
- Vibrations from the sound make objects move (like in a balloon held close to a speaker playing music). This is sound waves.
- Volume is how loud or soft a sound is and pitch is how high or low a sound is.

## Content

---

Student will be able to:

- Plan and conduct investigations to provide evidence that vibrating materials can make sound, and that sound can make materials vibrate
- Use tools and materials to design and build a device that uses sound to solve the problem of communicating over a distance

## **Assessment**

---

End of Unit Assessment given by printed version or online version using the following:

teacher Assessment book

HMHCO.com online assessments

Also, assessments given throughout each unit using self checks, unit reviews at end of each unit in student workbooks, during labs.

## **Resources**

---

HMC Science Dimensions Teacher's Guide

HMC Non-Fiction leveled readers

Science kits materials for Units 1-6

HMC Science Dimensions Student workbooks

HMC online component for students and teachers (ED) (HMHCO.com) which includes online version of units, videos, assessments, downloadable worksheets, projects, and hands-on activities.

Teacher Assessment Book (also on HMHCO.com)

Evidence Notebooks

You Tube

Mystery Science

Science Spin

Non-Fiction Books from school library

Scholastic News First Grade Level

Mailbox Magazine activities

Teacher's Helper activities

weekly STEM activities

-

-