

Grade: 1st Grade Subject: Science

Goes with Pages: HMH Science Dimensions Student Workbook pages 39-57

Topic: Unit 2, Lesson 1: What is Sound?

What Your Student is Learning:

- Sound is a kind of energy you hear when something vibrates. Vibrate means to move quickly back and forth.
- Volume is how loud or soft a sound is.
- Pitch is how high or low a sound is.

Background and Context:

This packet should be completed in about 10 30-minute lessons.

Ways to support your student:

As you interact with your child in daily life, use the vocabulary and ideas presented in the chapter. For example:

- When you hear a sound, ask your child to think what might be vibrating to make the sound. When we speak, our throats vibrate. When a basketball bounces, the ball and the ground vibrate.
- When you hear different sounds, ask your child to compare them in terms of volume (loud or quiet) and pitch (high or low).

As your child goes through this unit, work with them to plan and conduct investigations. Below are two that you can do with your child.

- Use a metal ruler, a rubber band, or another object to make different kinds of sounds. Try to predict how to use the object to make sounds with different volumes and different pitches; then test your idea! (see page 45)
- Make a drum by attaching cling wrap to the top of an empty metal can with a rubber band. Put a handful of rice on top of the cling wrap. Place an empty pot near the drum and bang it loudly. Did the sound from the pot move the rice? (See page 51)



- Help your child read the instructions for the “Self Check” with your child and have them indicate the correct answers. The answer key is provided on pages 56-57.

[Click here to access the What is Sound Learning Guide](#)

Online Resources for Students:

<https://why.pbslearningmedia.org/resource/phy03.sci.phys.mfe.ztunefork/sound-and-solids-visualizing-vibrations/>

<https://why.pbslearningmedia.org/resource/phy03.sci.phys.mfe.zxylophone/experimenting-with-a-glass-xylophone/>

Padres, adjunto esta un glosario en español para su referencia.

Para las páginas en español visite el enlace:

<https://tinyurl.com/1stSound>