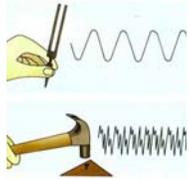


# SCIENCE 4 ME



## Sound



Computer fun!  
findsounds.com  
Type in the search bar anything from animals to airplanes to hear their sound!

**Picture Books:**  
Who Hoots? Katie Davis  
What's That Sound, Woolly Bear? Philemon Sturges  
Say Hello Like This, Mary Murphy  
Old MacDonald Had a Farm, James Dean  
Cat Says Meow and other Animalopoeia, Michael Arndt  
Tap, Tap, Bang, Bang, Emma Garcia  
The Listening Walk (Miss Spider) David Kirk

**Early Readers**  
Who Says? Kirsten Hall ER Hall  
What's Your Sound, Hound the Hound? ER Willems  
The Ear Book. Al Perkins ER Perkins  
Sending Messages with Light and Sound, ER 530 BOO  
Vibrations Make Sound, ER 530 BOO

**In-Depth**  
Did You Hear That? Animals with super hearing, Caroline Arnold, J 591.594 ARN  
Sound, Make it Work, Andrew Haslam J 534.078 HAS

**Non-fiction**  
Sound (Fundamental Experiments) Ellen Lawrence, J 534 LAW  
Loud, Soft, High and Low Sound, Natalie Rosinsky, J 534 ROS  
Fun Science Projects, Hearing Sounds, Gary Gibson, J534 GIB



### Sound Words Around Us!

Listen for sounds in your neighborhood or nearby park that are "sound words," sounds that mimic a word. Some examples are "Bam", "Zap", "Zing," "Buzz," "Boing". Have your child listen to the sound, then say a word that it sounds like. Listen to bird calls, and see if there are words we use that sound the same.

**Gibson Library**  
100 W Lake Mead Pkwy, 89015  
(702) 565-8402

**Green Valley Library**  
2797 N Green Valley Pkwy, 89014  
(702) 207-4260

**Paseo Verde Library**  
280 S Green Valley Pkwy, 89012  
(702) 492-7252

Vibration is a rapid back and forth motion that can create sound. In this activity, your child will be able to see the effects of vibration from a simple homemade drum.

### What you need:

- Large bowl, coffee can, or similar container that you can fit a rubber band over
- 1 large rubber band
- Plastic wrap
- 1 Tablespoon uncooked rice
- 1 Metal Pie pan
- Wooden spoon



### Try this:

1. Have your child place their hand on their neck (over the voice box) and talk or sing. Ask them if they can feel the vibration in their throat.
2. Now that they have felt the vibration, it's time to see it! Pull a sheet of plastic wrap taut over the top of the bowl, or container. If needed, wrap the rubber band around the edge to secure it, and keep it tight.
3. Place the rice on top of the plastic wrap.
4. Hold the pie pan a few inches from the bowl. Now, have your child hit the pan with the wooden spoon.

What happened? Did the rice move? Ask your child what they think might have caused this? If a different spoon is used will the results be different? Experiment to find out.

Electronic Resources  
(download from [www.hendersonlibraries.com](http://www.hendersonlibraries.com))

Horton Hears a Who, Dr. Seuss

Search for MUSIC, there are a number of fun downloads including nursery rhymes,

*What's the connection between science and writing? Scientists are chronic writers! They write down hunches, observations, and they sketch whatever they are studying. Writing and sketching are important tools real scientists use to help themselves think.*

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Go outside. Ask your child to be a "listener." Have him/her close their eyes (or put on a blindfold) and describe all the sounds that they hear, as you record them. Try to find at least five different sounds. Then go inside and do the same.

Write the sounds you heard in your journal.

What sounds did you hear?

What new ones can you add?