

## Sound

# Sounds Like Fun: Seeing Animal Sounds

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### TEACHER RESOURCES

#### ***howstuffworks*: Sound**

This article by *howstuffworks* gives an overview of many aspects of sound, including pitch, volume, frequency, speed, and behavior in different environments.

<http://science.howstuffworks.com/sound-info.htm>

#### **Introduction to Sound**

This short online course from the Collaboration for Nondestructive Testing offers detailed information and diagrams to explain concepts around sound to adult learners, including the topics of vibration, frequency, and pitch.

<http://www.ndt-ed.org/EducationResources/HighSchool/Sound/introsound.htm>

#### **What is a Sound Spectrogram?**

This demo from the Cornell Lab of Ornithology shows how to read a spectrogram.

<http://www.birds.cornell.edu/brp/the-science-of-sound-1/what-is-a-spectrogram/>

#### **The Elephant Listening Project**

This is the website of the Elephant Listening Project, which is mentioned in the EiE storybook that accompanies this unit. The site includes videos and recordings of elephant sounds.

<http://www.birds.cornell.edu/brp/elephant/index.html>

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### TEACHER RESOURCES

#### **Acoustical Society of America**

The Acoustical Society of America's website offers information about what a career in acoustical engineering might look like.

<http://bit.ly/1eDYCur>

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### VIDEO FOR STUDENTS

#### **Exploring Sound**

This video clip from WGTE Public Media explores the properties of sound with simple demonstrations. (6:28)

[http://www.wgte.org/wgte/item.asp?item\\_id=3675](http://www.wgte.org/wgte/item.asp?item_id=3675)

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### STUDENT RESOURCE

#### **Bird Call Quiz**

In this interactive developed by the Exploratorium, listen to the sounds that birds make and see if you can identify them as calls, alarms, or songs.

[http://www.exploratorium.edu/listen/activities/doniga/birds/activity\\_birds.php](http://www.exploratorium.edu/listen/activities/doniga/birds/activity_birds.php)