



Sound Science

Grade Levels	Program Length
2, 3, 4, 5, 6	Approximately 45 minutes

Science Presentations

Science Presentations are designed to help illustrate and elaborate science concepts taught in the classroom and to stimulate student interest in the subject matter.

Description

Catch some “good vibrations” as we experiment with the science of sound. Students will participate in demonstrations to learn about vibration, pitch, and volume, and will produce sounds using a variety of objects. They will learn how the human body produces and hears sounds by studying vocal cords and the human ear. See the giant sound wave, perform some beautiful music, judge the distance to a lightning strike, and make substances dance to the rhythm of the beat!

North Carolina Essential Standards Correlation

2nd Grade	2.P.1
4th Grade	4.P.3.1
6th Grade	6.P.1

Objectives

- 1) Discover how sound is produced
- 2) Recognize different features of sound including pitch and volume
- 3) Learn how human ears translate vibrations into sound
- 4) Identify how sound travels, how quickly it travels and the variety of mediums through which it can travel.

Vocabulary

compression
eardrum
matter
medium
pitch

sound
tuning fork
vacuum
vibration
vibration per second (vps)

vocal cords
volume
wave