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

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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
- vocal cords
- volume
- wave
- vibration per second (vps)