

Featured Academic Vocabulary Strategies

- **Close Sentences:** Developing Oral Language (page 14)
- **Vocabulary Journal:** Independent Visual Learning (page 26)

Standards

- **MAF.1:** Students will know that vibrations move at different speeds in different materials, have different wavelengths, and set up wave-like disturbances that spread away from the source.
- **MAF.2:** Students will use level-appropriate vocabulary in speech.
- **TESOL:** Students will use English to obtain, process, construct, and provide subject matter information in spoken and written form.

Materials

- **Vocabulary Journal:** Sound Waves (page 135)
- **Sound** (page 136)
- **Yes-No-Why?: Sound Waves** (page 137)

Sound Waves

Focus Vocabulary Words	
Specialized Content Vocabulary	General Academic Vocabulary
amplitude pitch sound waves vibrations wavelength	transfer

Procedure

1. Begin the lesson by asking students to close their eyes. Tell students to turn their heads to follow where you are located in the room. Move around the room making noise. Tell students to open their eyes and ask how they know where you were. Use this demonstration as a springboard into a class discussion as to the nature of sound.
2. Explain to students that sound is caused by vibrations, or quick rhythmic movements. These vibrations create waves that move through matter. Sound waves cannot move through the empty space of a vacuum. They need matter to travel through because the energy of the wave is transferred, or passed between adjacent molecules. Because of the differences in different kinds of matter, the speed of sound is different depending on what it is passing through. It passes through solids quickly, liquids slower, and gases very slowly because the molecules are far apart. Temperature can also affect the speed of sound because warm molecules behave differently than cool ones.

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#10700—Academic Vocabulary: 25 Content-Area Lessons Level 6

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Academic Vocabulary Level 6--Sound Waves

Author :Stephanie Paris / Category :Uncategorized / Total Pages : 10 pages

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Summary : Free academic vocabulary level 6--sound waves pdf download - this lesson integrates academic vocabulary instruction into content-area lessons two easy-to-implement strategies for teaching academic vocabulary are integrated within the step-by-step standards-based science lesson

Publisher : Teacher Created Materials on 2014-01-01 / **ISBN :** 9781480760448

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