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The National Content Standards (K-4)

Sound is produced by vibrating objects. The pitch of the sound can be varied by changing the rate of vibration.

The National Content Standards (5-8)

Energy is a property of many substances and is associated with heat, light, electricity, mechanical motion, sound, nuclei and the nature of a chemical.. Energy is transferred in many ways.

The 10 Big Ideas About Sound & Corresponding Labs

1. Sound is produced when objects vibrate.

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2. Sound is also produced when gas expands rapidly.

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3: Sound is a form of energy and can be converted to or from other sources of energy.

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4: Sound travels as one of two kinds of waves-longitudinal (compression) or transverse. The parts of these waves can be identified as the crest, trough, amplitude, node, and antinode.

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