

Why Teach about Sound and Noise?


Sound is all around us, especially in our densely populated, transit-oriented, and always-under-construction city. Sound is relevant not only to everyday urban life but is especially relevant to school life. Loud and unwanted sounds can disrupt student learning and student ability to concentrate and pay attention.

Standard Connections

NYS Learning Standard for Mathematics, Science, and Technology (MST):

- Standard 1: Analysis, Inquiry, and Design
- Standard 4: Math
- Standard 5: Science
- Standard 6: Common Themes
- Standard 7: Interdisciplinary Problem Solving

Key Ideas:

- PS Key Idea 2: Many of the phenomena that we observe on earth involve interactions among components of air, water, and land.
 - LE Key Idea 7: Human decision and activities have had a profound impact on the physical and living environment.
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Process Standards:

- Comparing and contrasting
- Creating models
- Making predictions and informed decisions
- Using measurement to interpret data

Cross-Cutting Concepts:

- Patterns
- Cause and effect
- Scale, proportion, and quantity
- Systems
- Structure and function

Excellence in Environmental Education (K-12):

- The importance of where one lives
- Roots in the real world
- Integration
- Lifelong learning
 - Creative thinking
 - Decision-making
 - Communication
 - Group work
 - Empathy
 - Responsibility