Sound Storyline STC 3rd Grade

Unifying Concepts:

- ✓ Systems, order and organization
- ✓ Evidence, models and explanations
- Change, constancy and measurement Evolution and equilibrium
- ✓ Form and function

Sub Concept I: Sounds are produced by vibrating objects and columns of air

Big Ideas:

Sound is produce Sound is produced by vibrating objects d by vibrating objects. Changing the rate of vibration can vary the pitch of the sound.

Sub Concept II: Changing the way an object or column of air vibrates by changing its length can change the pitch.

Sub Concept III: Pitch is determined by how fast the vibrations (frequency); volume is determined by how strong the vibrations (amplitude).

Sub Concept IV: Changing the length, tension or thickness of a string affects the pitch (frequency).

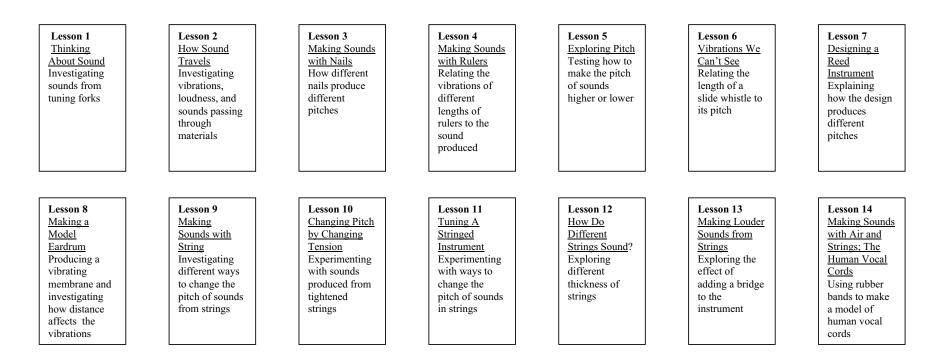
Sub Concept V: Humans have ear membranes that receive sounds, and vocal cords that produces sounds

Description of Assessment: End-of-unit assessment, writing prompts; notebooks, review of student work

Science Process Skills: Observing, Questioning, Comparing, Communicating, Interpreting, Relating, Predicting, Inferring, Applying, and Organizing National Science Standards: K-4 Physical Science; Motion of Objects; Science as Inquiry (Abilities and Understandings about Inquiry) Rhode Island Science Standards: Motion

KITES 2002

Sound Lessons



Lesson 15 What Have We Learned About Sound? Designing and building instruments that apply what students know about sound

