

Scavenger Hunt

Lesson: Grade 1 - Sound Waves - Can I See Sound?

Engage:

- Assess prior knowledge: Brainstorm: What is sound? Can we see sound?
- Video - Sound for Kids
- Video - Ultra Slow Motion Tuning Fork in Water

Explore:

- Experiments
 - Kazoo - Make a Kazoo and observe the vibration that sound makes
 - Box guitar with rubber bands

Explain:

- Brainstorm - Discuss observations and what caused changes in sound.

Elaborate/Extend:

- Add experiments involving music and technology.

Evaluate: Ongoing observation of student understanding of sound.

Arts Standards:

Music Technology

- [Music Technology Strand](#) - Anchor Standard 1 - Creating - MU:Cr1.1.T.1a Generate melodic, rhythmic, and harmonic ideas for compositions or improvisations using digital tools.

The Visual Arts Strand would fit into the creation of musical instruments for the Waves: Light and Sound unit that I do with 1st grade.

- [Visual Arts](#) -
 - Anchor Standard 1 - VA:Cr1.1.1a - Engage collaboratively in exploration and imaginative play with materials.
 - Anchor Standard 11 - MU:Cn11.0.1 - Demonstrate understanding of relationships between music and the other arts, other disciplines, varied contexts, and daily life.

Introducing the arts into my science curriculum will not only make the sound unit more engaging for my students, but will add visual, tactile, and auditory stimuli, which will grab the attention of their varying learning styles. The above standards are the ones that I feel will work well with the sound wave unit that I currently do with first grade. As the Technology Integrator, having students create sound using technology, specifically making music with code, will be a great addition to the lesson. The visual arts standards will be used to design their own instruments, allowing them to explore vibration and sound. Singing will also be added to the lesson as a way to remember the concepts related to sound. Introducing a variety of sound related projects into the lesson will help me to reach the learning styles of more of the students, increasing understanding and retention of the concepts.