Chimes/Sounds Lesson Plan

Summary

Content Area Music/STEM

Grade Level Grades 3-5

Topic / Unit of Study The science of sound

Objective Students will be able to:

- Build vocabulary regarding science and sound
- Observe, experiment, and make conclusions about the relationship between chime size and sound
- Observe, experiment, and make conclusions about the relationship between mallet material and sound
- Recognize the relationship between vibration and sound

Duration 60 Minutes

Implementation

Materials

- Playground chimes
- Mallets of different materials (wood, metal, rubber, plastic)
- KWL chart
- Age-appropriate videos demonstrating sound, vibrations, waves, pitch, and volume

Instruction

1. Ask children to fill out the “know” and “want to know” sections of a KWL chart about chimes and sound.
2. Introduce the concepts of vibration, waves, volume, and pitch. Use videos to reinforce the concepts.
3. Have children gather around the chimes/chime panel.
4. Ask students what sounds they hear and what they think/know about how sounds are made.
5. Discuss vibrations. Ask students to feel their throats as they speak and verbalize their observations.
6. Demonstrate hitting a chime once and ask the children to verbalize observations.
7. Demonstrate hitting different-sized chimes with the same object and allow children to feel the chime vibration. Ask students to verbalize observations.
8. Demonstrate hitting the same chime with different mallets and allow children to feel vibrations. Ask students to verbalize observations.
9. Allow children to experiment with hitting the chimes with different materials and make comments about what they see, feel, and hear.
10. Ask students to verbalize observations regarding chime size, mallet material, pitch and volume.
11. Return to the classroom and finish “learned” section of KWL chart.

Assessment

1. Using lesson vocabulary: chime, mallet, vibration
2. Verbalize observation of teacher demonstration of chimes
3. Experiment independently with the chimes by striking different chimes with mallets of different materials
4. Verbalize conclusions about the relationship between chime size, mallet material, vibration, and sound