

Virtual STEAM

Science

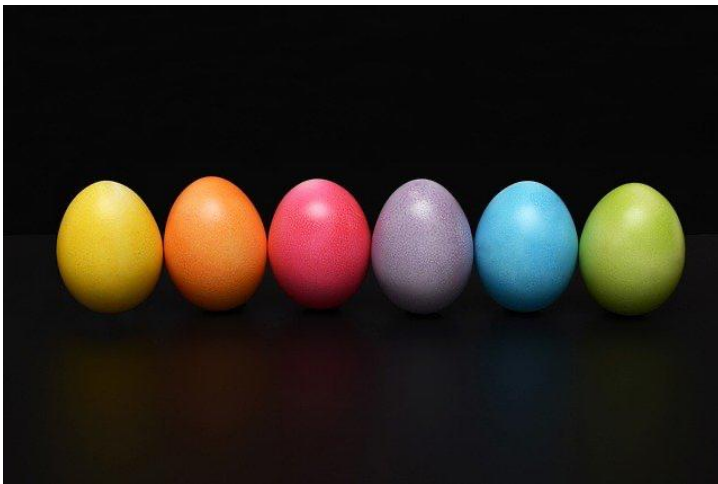
Sound Comparison Challenge

Goal: I can compare sounds of objects.

Preschool Gold Standards: Objective 26: Demonstrates knowledge of the physical properties of objects and materials.

Materials:

- 3 Plastic Eggs
- Beads (spoon full)
- Sand (spoon full)
- Water (not included)



Instructions:

1. Watch YouTube Video for background knowledge:
<https://youtu.be/UiJn5AqksfQ>
2. Fill one egg with beads.
3. Fill one egg with sand.
4. Fill one egg 1/4 full with water.
5. Shake each egg, one at a time, and listen to the sound made by the objects inside the eggs.
6. Put the eggs in order from quietest sound to loudest sound.
7. Describe the sounds with words like loud, soft, quiet, scratchy, etc.
8. Close your eyes and listen as an adult shakes an egg. Guess which egg the adult is shaking based on the sound.
9. Now tell the adult to close his/her eyes as YOU shake the eggs to see if he/she can guess which egg is which based on the sound.

Book Extension:

- [My 5 Senses by Alike](#)



10. Walk around your school or home and see if you can find sounds that sound similar to your eggs.
11. Reflection questions:
 - a. What is sound?
 - b. What in your home makes sounds?
 - c. How do we hear sounds?
 - d. What words can we use to describe sounds?
 - e. Which egg made the loudest sound?
12. Document the challenge using video, photos, drawings, etc.
13. Have fun!

Social Emotional Connection:

- Mindfulness

Extension:

- Turn on your favorite music and shake your sound makers to the rhythm of the song.
- Change the amount of objects in the eggs to see how that affects the sound made.

