



Discovery Time: Shake Up the Sounds



Introduction

Sounds are all around us. We can make a loud sound or a quiet sound-but how are sounds created? Sound is made up of vibrations we can hear. These are called sound waves. Sound waves travel through the air as vibrations to our ears. Let's make some sound waves of our own!

Early Literacy Connection

Talk:

- Using descriptive words expands your child's vocabulary
- The more words a child hears, the easier it will be for them to recognize words once they start to read



Supplies

- Toilet paper tubes or paper towel tubes (cut into smaller sections)
- Cardstock
- Tape
- Scissors
- Pencil
- Various small objects: beans, rice, pebbles, beads, coins, pasta, paperclips

Instructions

1. Make endcaps for your sound sticks. Use the toilet paper tubes to trace circles on the cardstock. Cut out the circles. (Make an even number of sound sticks for this activity; each sound stick requires two endcaps)
2. Seal one end of your sound stick with an endcap using tape then fill your sound stick with various sound makers (beans, rice, pebbles, coins, etc.) and seal the other end with tape. (Experiment by placing different sound makers in each sound stick; the more varieties you make, the more conversation you can have about sound)
3. Number each sound stick you create
4. Shake it up! Encourage your child to shake each stick and describe what they hear. Have them shake the stick up and down and side to side to explore different sounds
5. Match the sounds. Using only their ears, invite your child to match the pairs of sound sticks that sound alike

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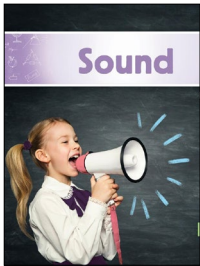
Review

Explore additional learning concepts on our [website](#) and blog [Plano Library Learns/Early Learning](#), including information about library [databases](#). Activities, like this one, stimulate your child's senses and their brain creating connections and wiring for the brain for future success in learning.

- Play with the sound sticks to make noise. What happens if you shake them fast? What about shaking them slow? Encourage your child to describe how the different sound sticks sound. This will help your child to use vocabulary that they might not use in everyday life. Maybe a sound stick makes a 'skittering' sound or it 'rumbles' when you turn it.
- Explore your child's process. Ask them to tell you how they decide which sound sticks sound alike. Talking together with your child exposes them to words. The more words your child hears, the easier it is for them to recognize words once they start to read.

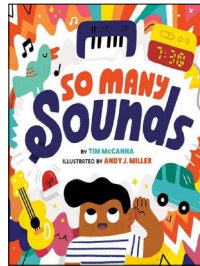
Books to Explore

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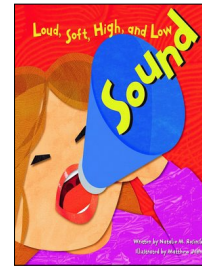
Sound
by Grace Hansen

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So Many Sounds
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Sound: Loud, Soft, High, Low
by Netalie M. Rosinsky

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