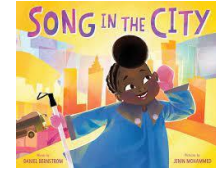
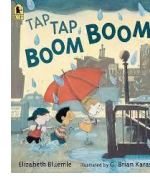


Unit 2: Building Our Working City

WEEK 5



Art Studio: Sound Sculptures

Children use Beautiful Stuff to create sculptures that make sound.

Big Ideas	The city where we live is full of interesting people and things. People use tools and materials for specific purposes.
Guiding Questions	How can people build a city that works? What resources do we rely on to make our city work?
Vocabulary	<p>amplify: to make louder</p> <p>loud: easy to hear</p> <p>sculpture: a three-dimensional artwork</p> <p>soft (sound): quiet</p> <p>sound: something heard with the ears</p>
Materials and Preparation	<ul style="list-style-type: none"> ● <i>Tap Tap Boom Boom</i>, Elizabeth Bluemle and G. Brian Karas ● <i>Song in the City</i>, Daniel Bernstrom and Jenin Mohammed ● 2-3 medium/large cardboard boxes or buckets, for a base ● Beautiful Stuff materials for sound-making such as: <ul style="list-style-type: none"> ○ paper towel rolls ○ metal containers ○ kitchen utensils ○ funnels ○ plastic tubing, bottles, and/or containers ○ sheets of aluminum foil or mylar ○ wire ○ rocks ○ marbles ○ bottle caps ● scissors ● masking tape ● Sound Artists and Sound Sculptures images ● Words to Describe Sounds (provided list) <p>Gather and arrange materials in an open space, either on the floor or on a table, depending on classroom size. Provide the Words to Describe Sounds</p>

	<p>in the Center along with the Center Language Support.</p> <p>Bring the books and a sample of the materials to the Intro to Centers meeting.</p>
<p>Intro to Centers</p>	<p><i>In both Tap Tap Boom Boom and Song in the City sound is an important feature of the story. What sounds do you remember from these books?</i></p> <p>As children respond, turn to corresponding pages so they can reference illustrations.</p> <p><i>This week in the Art Studio you can use Beautiful Stuff and other materials to create sculptures that make sound. A sculpture is a kind of artwork that is three-dimensional, not flat like a painting. A sound sculpture is a sculpture that makes sounds! Here are some of the materials we have for making sounds.</i></p> <p>Show a selection of the materials, allowing children to handle them and explore the sounds they can make.</p> <p><i>You can use tape to attach materials together.</i></p> <p>Model and describe putting a few materials together into a sculpture. <i>Let’s use this box... I can poke a hole in the side and then stick this tube in the hole... Maybe now I can use tape to attach a bottle...</i></p> <p><i>How do you think we can use this sculpture to make a loud or a soft sound?</i></p> <p>Elicit and try out a few suggestions.</p> <p><i>Nick Cave is one artist who uses different kinds of materials to make sound sculptures. You can look at these images for inspiration. What do you notice?</i></p> <p><i>Sharing ideas and working together will help you figure out ways you can use the materials to make different kinds of sounds. Maybe you can make sculptures to make some of the sounds we hear in our books—like the sound of rain in Tap Tap Boom Boom!</i></p>
<p>During Centers</p>	<p>Support children to think about the kinds of sounds specific materials might produce when put together. Support them to choose materials and to figure out ways to put them together.</p> <p>As children work, narrate their actions, using descriptive vocabulary and noting any connections or similarities in their approaches.</p> <p>Refer to the Words to Describe Sounds list, and also encourage children’s use of made up words to describe the sounds their sculptures produce. Ask</p>

	<p>children if they are able to change the sounds they make, especially whether they can figure out a way to amplify quiet sounds.</p> <p>Encourage children to share strategies and to collaborate with each other.</p> <p>Share the images of artists and their sculptures, and invite children to talk about what they notice and how they are inspired by them.</p> <p>Take videos of children creating their sculptures and using them to make sounds.</p>
Differentiation ideas	<ul style="list-style-type: none"> ● Provide a variety of sizes of materials; for some children, limit the number of available materials to begin with. ● On the Sound Artists and Sound Sculptures images, listen to the sound sculpture examples with children (scan QR codes or click on the links on the Artists) to experience the sculptures and help children understand the concept of sound sculptures. ● Create a simple sample sculpture children can use as reference. Model step by step for how to put a sound sculpture together. ● Invite children to just explore the materials, make sound with them, and notice how they feel in their hands as they manipulate them. ● Some children might prefer to use noise-canceling headphones while working on sound sculptures. ● Some children may focus on the vibration rather than the volume of sound that materials produce.
Facilitation	<ul style="list-style-type: none"> ● How can you make loud / soft sounds? Can you amplify that sound? ● What words can we use to describe this sound? ● What are the different sounds made by different materials? ● What does this sound remind you of? How does it make you feel? ● How will you put your sound sculpture together? ● What is easy or hard about using these materials?
Extension	<p>Children can use blocks and other manipulatives to create a sound sculpture.</p>
Standards	<p>SEL1. The child will be able to recognize, identify, and express his/hers emotions</p> <p>APL2. The child will demonstrate eagerness and curiosity as a learner.</p> <p>APL4. The child will demonstrate creativity in thinking and use of materials.</p> <p>SL.PK.5. Create representations of experiences or stories (e.g., drawings, constructions with blocks or other materials, clay models) and explain them to others</p>

Image citations

amplify: www.dukehealth.org/blog/tips-healthy-childrens-voices; loud: www.quora.com;
 sculpture: baystatebanner.com/2020/05/20/; soft: reviewed.usatoday.com; sound: indianexpress.com

Art Studio: Sound Sculpture

Facilitation prompts:

- How can you make loud / soft sounds? Can you amplify that sound?
- What words can we use to describe this sound?
- What are the different sounds made by different materials?
- What does this sound remind you of? How does it make you feel?
- How will you put your sound sculpture together?
- What is easy or hard about using these materials?



amplify



loud



sculpture



soft



sound

Children are learning to...

- share their feelings about making different kinds of sounds.
- be creative about how to use materials.
- collaborate with others in the creation of their sound sculptures.
- tell about the sounds they are creating with their sculptures.

Sound Artists and Sound Sculptures

Nick Cave



Nick Cave in his studio, 2019

Photo by Renee Cox

<https://www.nytimes.com/interactive/2019/10/15/t-magazine/nick-cave-artist.html>

Centers U2 W5



Nick Cave, *Soundsuit* (2011)

Found objects, metal armature, knit head and bodysuit

Image from MoMA Collection

Centers U2 W5



Nick Cave, *Sound Suits* (2009-2013)

buttons, wire, bugle beads, wood and upholstery, mixed media including a vintage fabric and metal, sweaters and pipe cleaners.

<https://www.nytimes.com/interactive/2019/10/15/t-magazine/nick-cave-artist.html>

Centers U2 W5

Focus on Pre-K 4s | Boston Public Schools Early Childhood Department P-2



East Lancashire Environmental Arts Network, *Singing Ringing Tree* (2006)

scan QR code to listen to the [Singing Ringing Tree](#)



Luke Jerram, *Aeolus Wind Pavilion*

scan QR code to listen to the [Aeolus at Eden Project](#)

<https://www.amusingplanet.com/2016/02/8-sound-sculptures-that-lets-nature-be.html>

Centers U2 W5

Activity Set Up



Photos by Marina Boni and Louisa Penfold

Centers U2 W5



Photos by Diamond Arrington

Centers U2 W5

Children's Sculptures



Photos by Diamond Arrington

Centers U2 W5



Photos by Diamond Arrington

Centers U2 W5

Words to Describe Sounds

bang	buzz	blast	bellow
hum	clink	drum	pound
crash	crackle	grate	whisper
hiss	howl	jingle	knock
murmur	chatter	shriek	slam
slash	splash	sputter	stamp
swoosh	tap	tear	rupture
whiz	dash	roar	thunder
sizzle	thump	fizz	toot