

HOW WE LEARNED TO FLY

Session Date/Time: THURSDAY, JULY 21 / 9:15am - 4:00pm

Time / Facilitator	Activity	Tech/Materials
5 mins	<p>Listening warm up</p> <ul style="list-style-type: none"> - Listen to your breathing (30 secs) - Listen to your surroundings - Listen to the whole space - Listen the farthest sound you can - Listen to the whole space - Listen to your surroundings - Listen to your breathing (30 secs) 	
15 mins	<p>Exploring the space with the hands/feet</p> <p>Ancestral music</p> <p style="text-align: center;">- <i>Ago - Ame -</i> - <i>Hello I'm here - You are welcome to come in -</i></p> <p style="text-align: center;">Ghana</p> <ul style="list-style-type: none"> - Observe the space where we are. - Walk around and listen to the sound of your steps. How it's sound changes if you step harder, faster or you drag your feet. - Look at all the objects. Explore their sounds with your hands. Use your palm, your fist. Can you move or shake them - Remember the sounds you like the most 	
15 mins	<p>The idea of "ancestral music"</p> <p>Exploring the space with sticks and stones</p> <ul style="list-style-type: none"> - Now, let's explore the space with a stick. What sounds can you find? Try hitting or scratching the objects and surfaces. - Now take 2 stones. What sounds can they make together? - Explore the space with them. Be careful not to damage anything in the space! - Remember the sounds you like the most 	- 2 sticks and 2 stones for each participant
20 mins	<p>Conducted Sound Symphony using sound from the space. Participants are all over the space, but not too far so they can watch the conductor.</p> <p>2 groups: one in the patio, 1 in the garden.</p>	

	<ul style="list-style-type: none"> - Fist - use stones - 1 fingers pointing up - sticks - Palm - hands or feet - Closing fists - silence <p>Free Sound Symphony Participants play the Sound Symphony without conductor</p>	
10 mins	<p>Playing Rock Piece by Pauline Oliveros</p> <ul style="list-style-type: none"> - Reading of the score - 5 mins performance: Everybody is dispersed in the patio and slowly everybody will be gathered in the center of the patio and each one will stop in it's own time. 	
20 mins	<p>Transforming words, making textures with them. Concept of a chorus. Listen how the textures change.</p> <ul style="list-style-type: none"> - Draw: Long - short - Humor: High - low (hand up, hand down) - Listening/Escuchar: Normal voice -Whispering (Point mouth, moving fingers next to mouth) <p>Small conducted Sound Symphony</p>	
Kurt 20 mins	Words and text	
20 mins	<p>Words and sound final piece Use the words you choose, the sticks and the stones as sound sources to create textures behind your text.</p> <ul style="list-style-type: none"> - One person reads, the rest of the group plays - Each person reads her/his own text, everybody plays. - You can all play the same sound. You can play 2 sounds at the same time. - Remember: the text should be the most important thing - Silence is also important. Gives space, makes the performance to breath - Do not perform any movement, just sounds and text. 	
1:00 - 1:45	Lunch	
30 Min	<p>Introduction to Flying Machines</p> <ul style="list-style-type: none"> - Intro. Introduction to Flying Machines (5 min) - Groups. Arrange rooms into groups of 5 per table - Making. Each table will have flying machine instructions and materials - build a flying machine 	<p>Print out of flying machine instructions (5 different ones)</p> <p>Dragonfly Propeller</p>

	<p>to the best of your ability using materials and instructions (15 min)</p> <ul style="list-style-type: none"> - Launching. Countdown timer - everyone launches. 	<p>Straw Airplane Paper Helicopter Stomp Rocket Origami Glider</p>
2 Hours	<p>Design Challenge</p> <ul style="list-style-type: none"> - Divide room into trios. <p>Flying Machines: A Design Challenge</p> <ul style="list-style-type: none"> - Collaboratively, as a group, build a flying machine that meets the following criteria <ul style="list-style-type: none"> - height/distance - time in air - aesthetics - original use of materials - Use the assortment of materials available at the engineering supply tables - Choose one person in your group to be your lead documentarian. <p>The Launch</p> <ul style="list-style-type: none"> - Partner each group with another one - Launch your flying machines and observe - Together with the other team, discuss and rate your flying machines based on the design criteria. <p>The Design Cycle</p> <ul style="list-style-type: none"> - Hypothesize - Plan - Build - Test/Observe - Reflect 	<p>Reflection Sheet</p> <p>Design Criteria</p>
	Final Group Launch	