



# Dance Dance NIMEolution!

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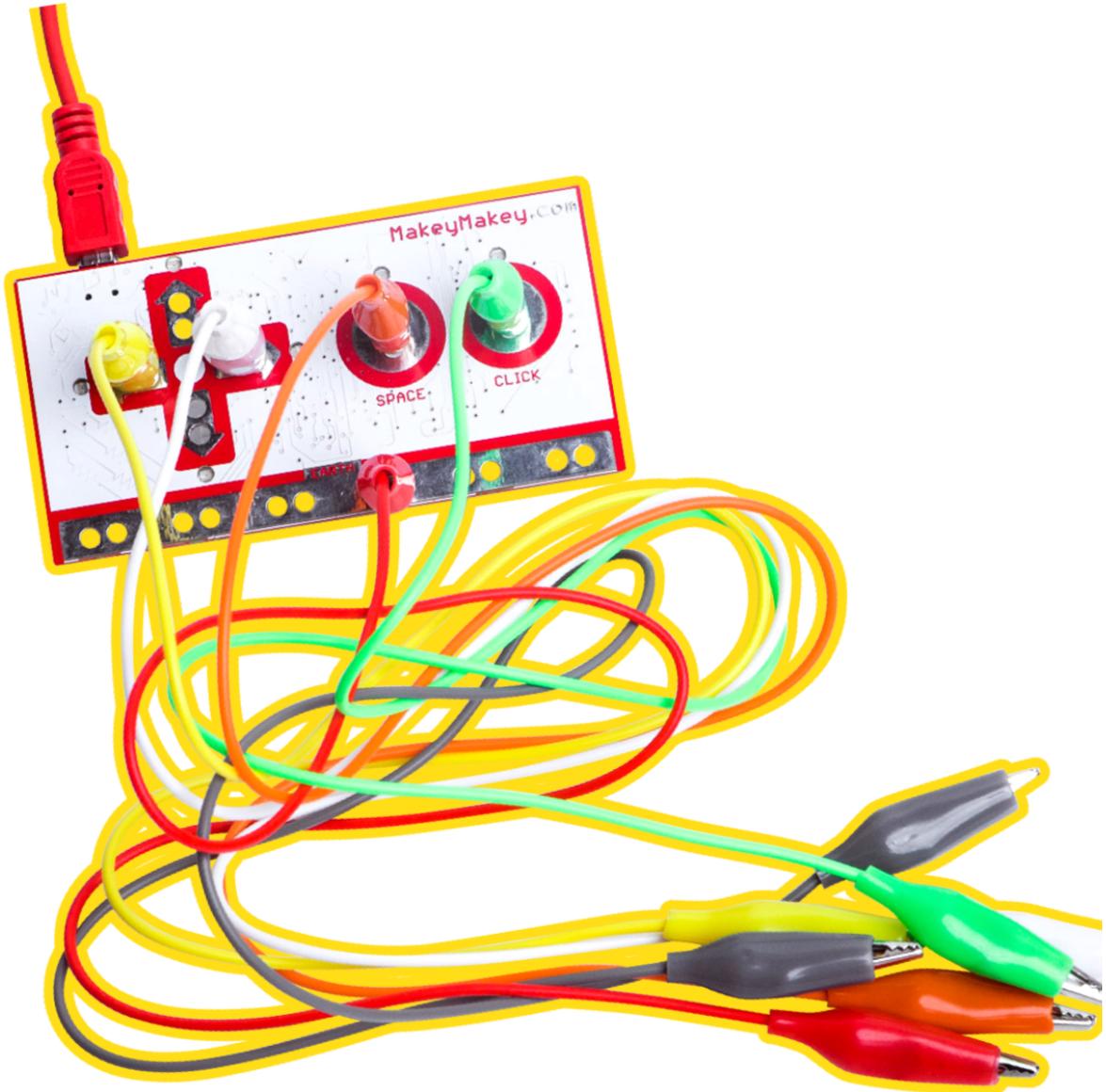
# PITCH SLIDE

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- Our NIME is based off of the arcade game Dance Dance Revolution, but WITH A TWIST. What makes it original is that when you stomp your foot you play a different piano note
- So, when you're dancing and stomping your feet, you're creating music

## What software/hardware components you will need?

We will be using the Makey Makey to conduct our project.



How these components will "talk" to each other and synchronize?



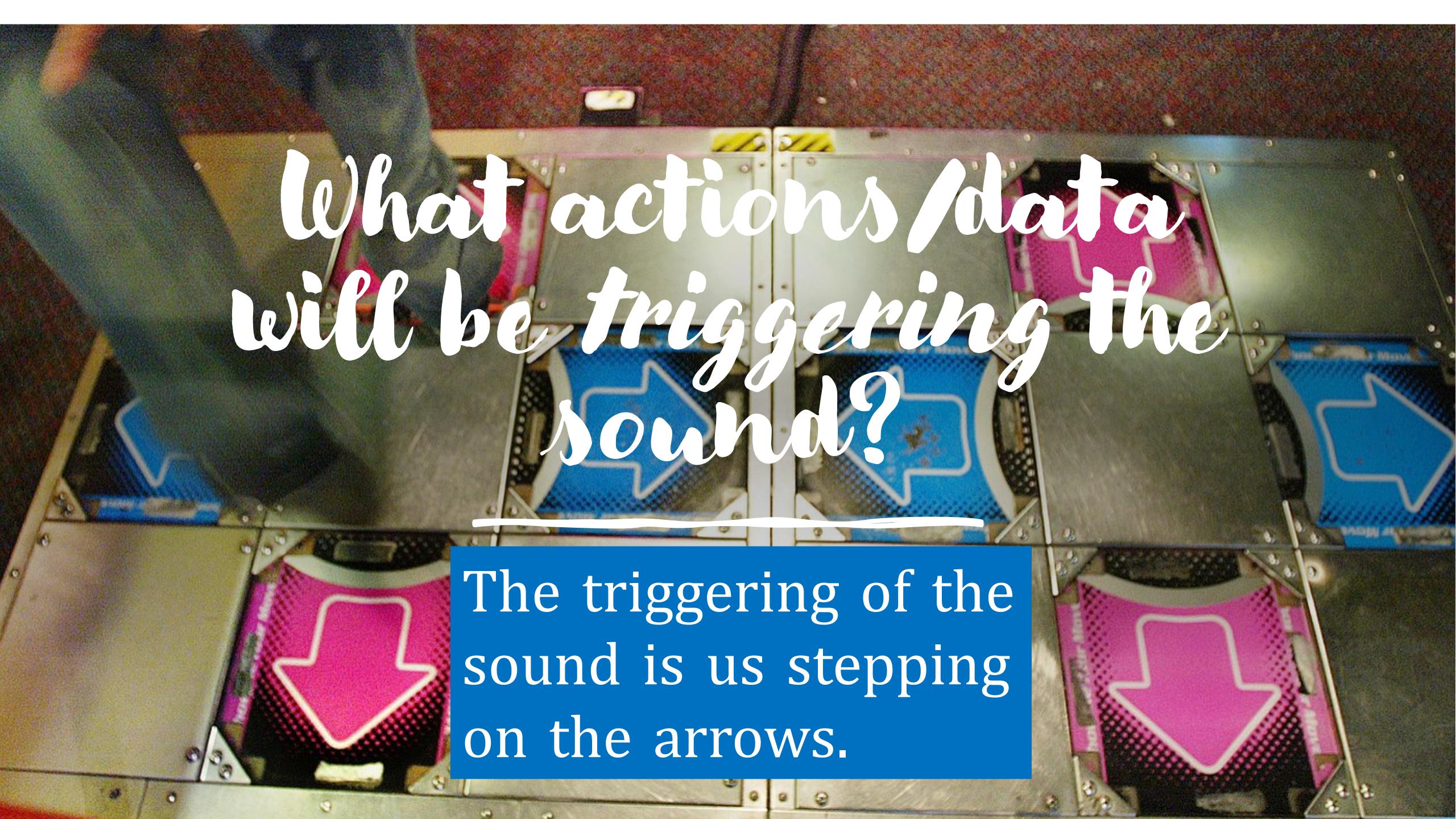
- Makey Makey works by using opening and closing circuits. Instead of the circuit being closed underneath your keyboard, the circuit is closed through the conductive objects you connect with alligator clips. So, we will connect the alligator clips to our dance board, which will be made from tinfoil to serve as our conductor.



## The logical structures that your NIME will make use of?

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- Our NIME will make use of a closed-circuit model, the piano scale, and the Dance Dance Revolution footboard



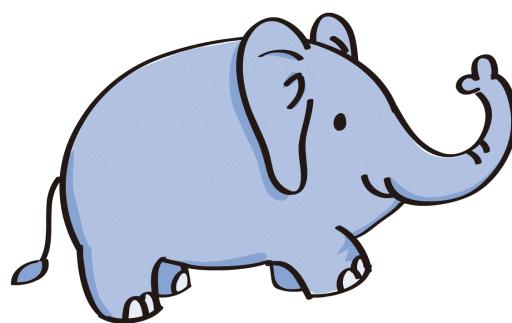
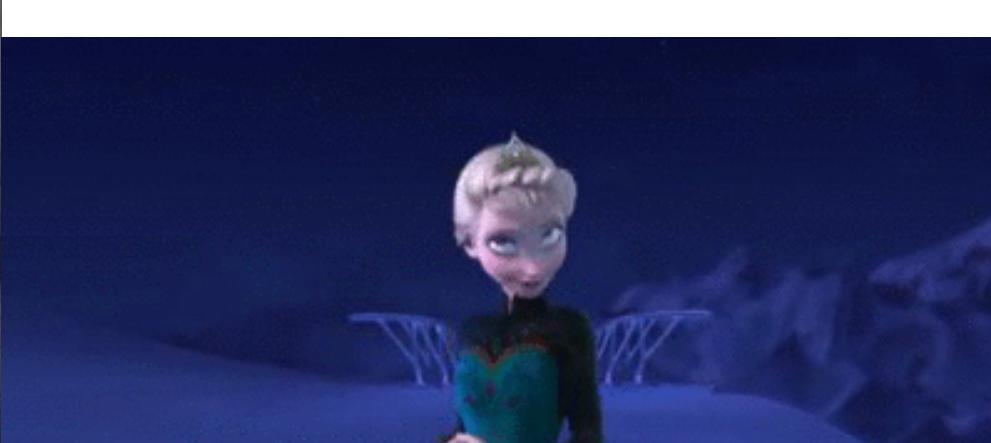
*What actions / data  
will be triggering the  
sound?*

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The triggering of the sound is us stepping on the arrows.



Like so.





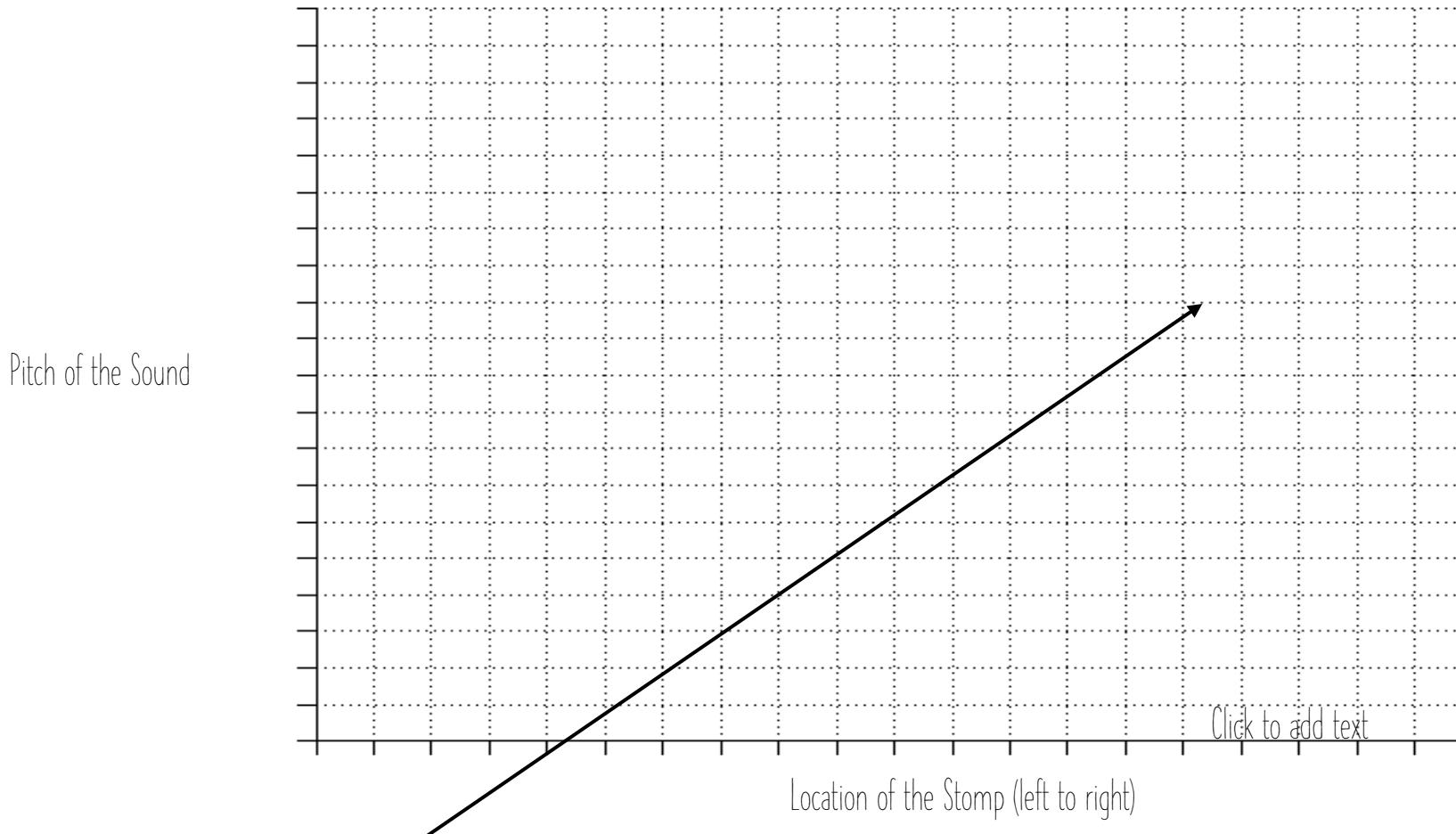
# General aesthetic characteristics of the sound.

We are using Makey Makey's piano feature, so the sounds will be piano notes

*A detailed graphical representation of your strategies for mapping parameters (i.e., when the temperature in the room goes up, the volume goes up, etc.)*

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As you stop counter clockwise from left to right the pitch begins to become higher in a positive linear relationship



*A general plan of action (i.e., how will you approach the creation of this NIME, and will it fit into our class schedule?)*



- We will create a Dance Revolution board using Makey Makey
- We'll make the board out of tinfoil(electricity conductor) and cardboard and connect alligator clips to the tinfoil
- When we press a different square, a different pitch will be played

# Our Rough Sketch!

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- is this interface *new*? Is it *musically expressive*?
- *What makes our NIME innovative is that as you dance you create sound, whereas in a traditional Dance Dance Revolution game you just dance with no sound output*

