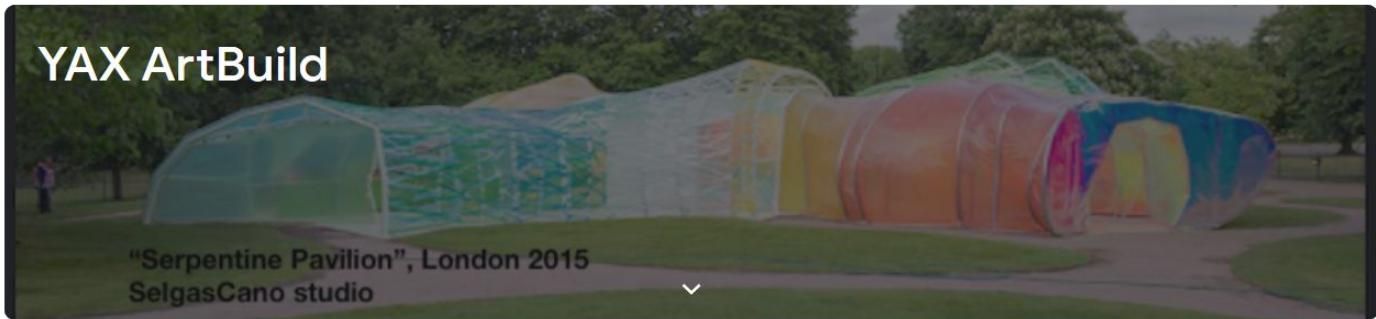# Youth Art Exchange

ArtBUILD Summer 2020

"To design is much more than simply to assemble, to order… it is to add value and meaning, to illuminate, to simplify, to clarify, to modify, to dignify, to dramatize, to persuade, and perhaps even to amuse."
- Paul Rand

The Project:

- **Design & create** a playlist including original soundscape work
- **Design & fabricate** a passive iPhone amplifier

YAX ArtBuild

"Serpentine Pavilion", London 2015
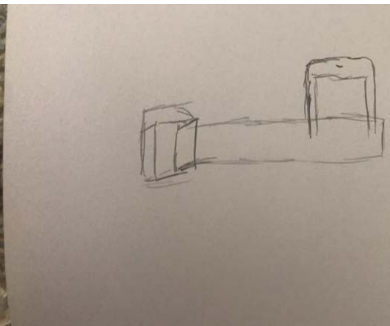SelgasCano studio

Studio A

Abi F-passive iphone amplifier

Test song: Raf by
A$AP mob

Version 1

Didn't work mostly.
Slightly amplified
the sound but
barely.It was mostly
due to the uneven
gaps in the panels.

I used one song so I could get the
consistent noise every test.

My second attempt made smaller
opening so the sound wouldn't just
escape. Also only cutting the tube
to make the speaker shap would
make the whole thing more simple.
I added a backplate to keep the
phone in place.
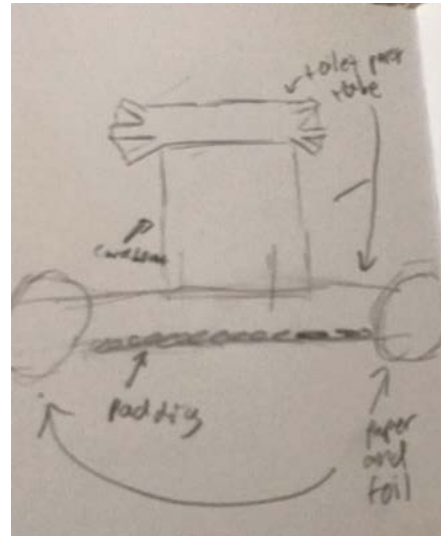
Production: song recreation

Recreated song: Ric Flair Drip by Offset and Metro Boomin
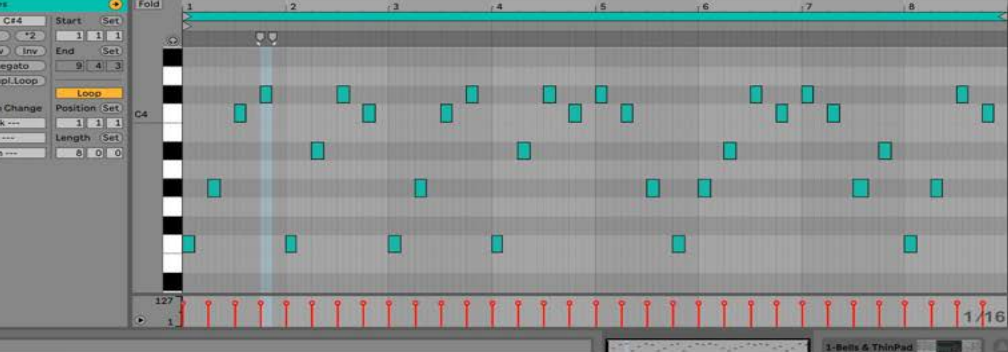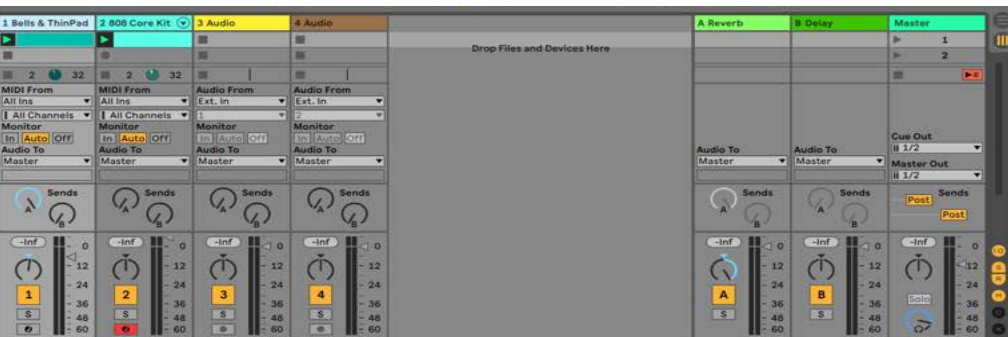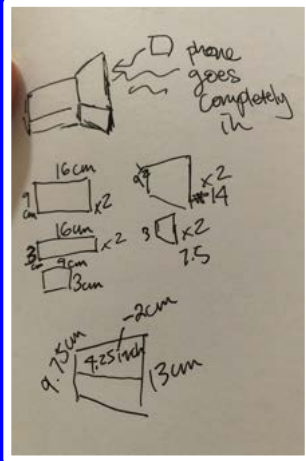

The image above is the percussion of the song, and the right is the bells. I chose this song because it was simple and was one of my favorite songs of 2017.

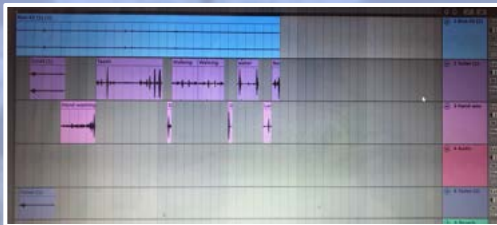# Amber's Sound Amplifier and Visual Art

8 min drawing exercise

Final Model😎

Easy to use:
1. play whatever you want
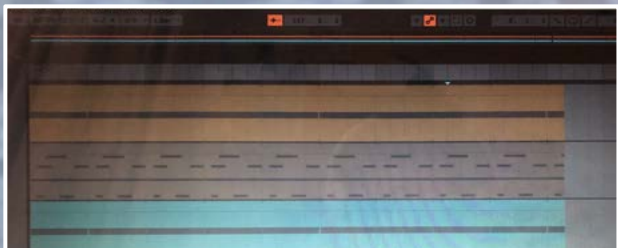2. stick your phone completely in (through the opening)

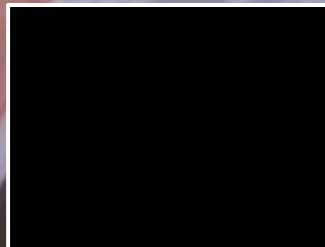**Accounts for your phone's top and bottom speaker**

Amber's Music Stuff

Kind of what my head sounds like when I'm doing tasks- music always playing in the background
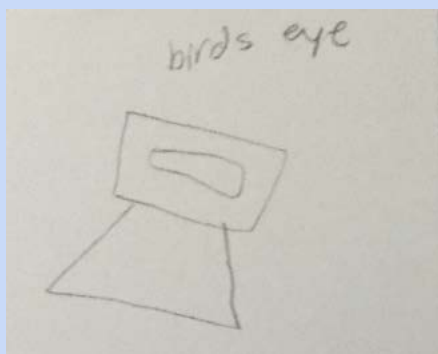

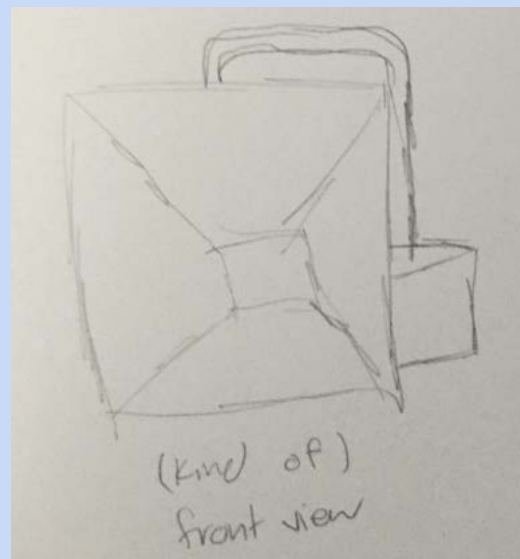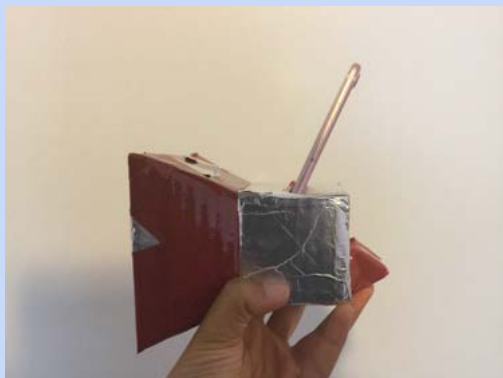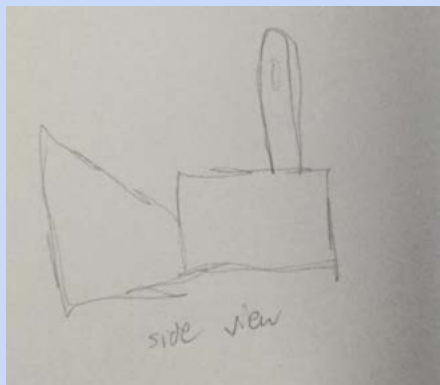Chill soundscape

Song recreation

[pretty boys in da building playlist](#)

Playlist has a certain type of flow in moods, would recommend listening to the songs in order

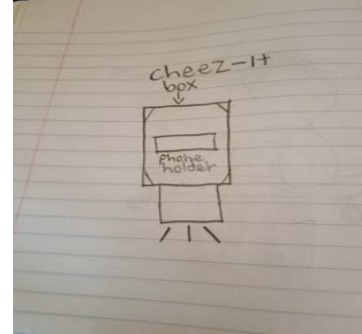# Anais C: Audio Amplifier

side view

(kind of) front view

birds eye

Anthony M's Drawings & Designs
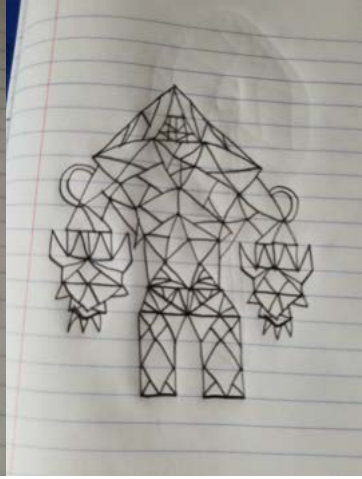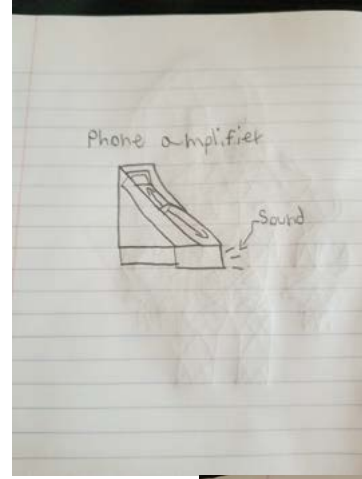
Anthony M's Phone Amplifier(s)

— — —

2nd Amplifier

Note: My other photo does not upload for some reason.

Danait's Sound Amplifier and Drawings

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO4

Elevation 1

Elevation 2

Elevation 3

Elevation 4

Second model didn't work as well.

Third model worked pretty well because i used a smaller box and covered all of the gaps!

First model didn't work that well because the box was to big.

Random drawings :)

Danait's Song Recreation/other soundtracks

Sound Recreation
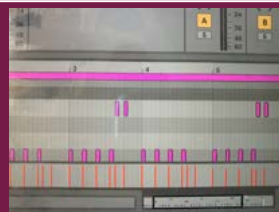
bass

Clap 707

cabassa

Short random track:)
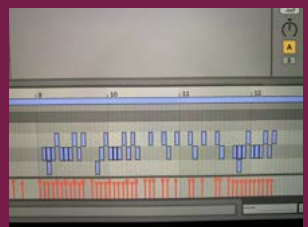
PERCUSSION

QUARK KIT

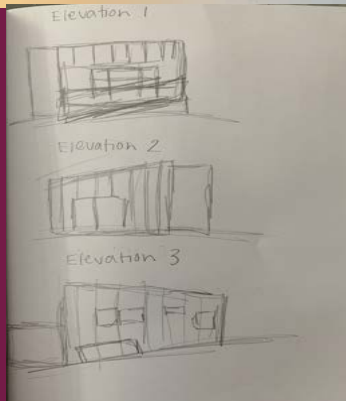## Story soundscape
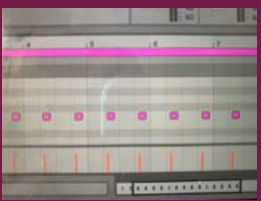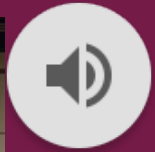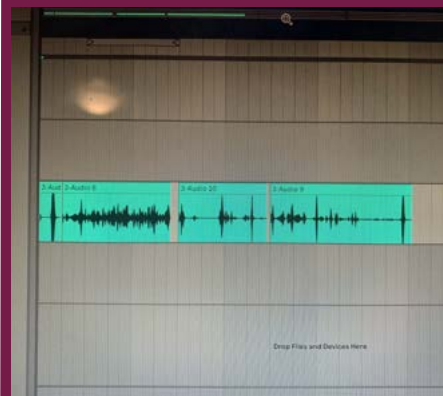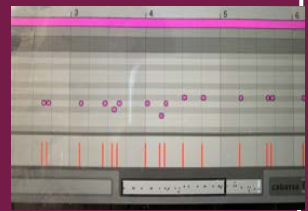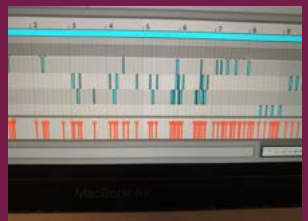
This is a recreation of Tap in by Saweetie but I added a little bit of my own beats.

This is a cool and fast upbeat track with drums and some acoustic sounds!

This was me making my cereal and eating it!

Darcie M's Phone Amplifier

First sketch and prototype inspired by a megaphone
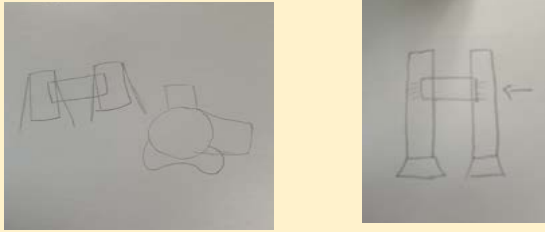
Final sketch and prototype inspired by speakers
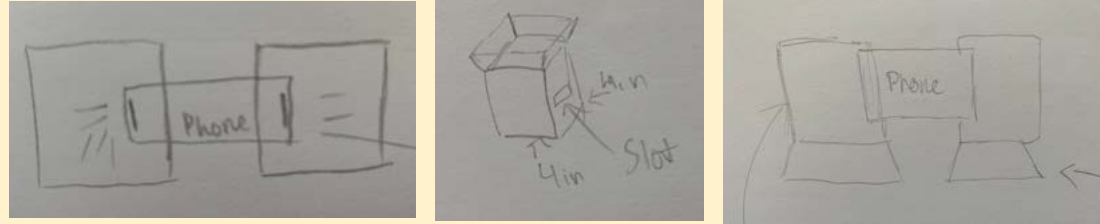
First Prototype slightly amplified the music

Final Prototype amplified the music a lot better than first prototype

Darcie M's Music

I recreated the song "Stuck In a Dream" by Lil Mosey

This was a very difficult assignment because I had never done any musical production before. Once I learned how to work ableton. I put in the chords of the song. However I wanted to personalize the song. I did this by making the song represent my feelings. The piano and guitar parts are very calm and smooth. The clashes are loud and represent frustration and some anger.

[Press Here for Song Clip](#)

Piano chords

Guitar Chords

Visual When Playing Song

Clashes

isabella's amplifier
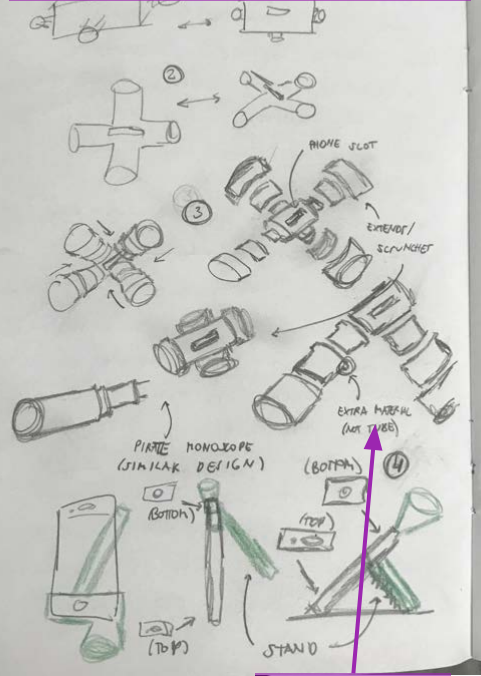
prototype one

prototype three
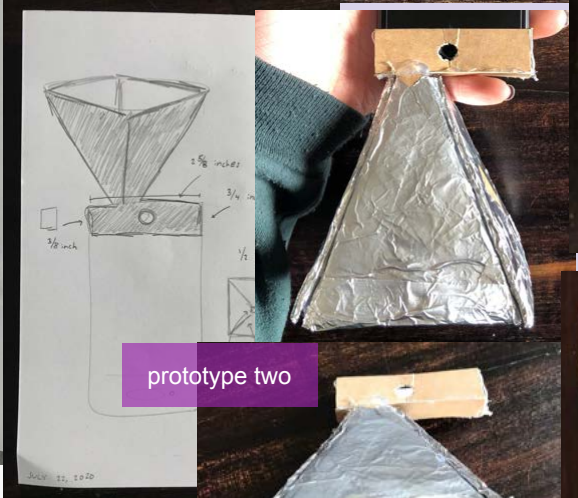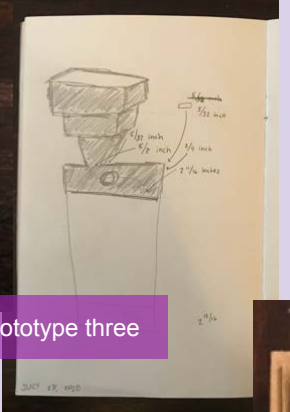
prototype two
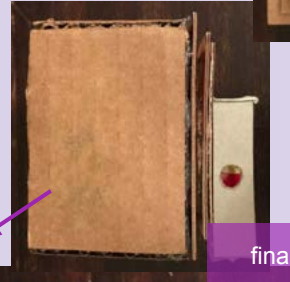
inspired by a monoscope

final product

phone "wears" the amplifier which allows the person to use the phone and amplifier at the same time

extends and retracts similar to a monoscope for portability

isabella's song recreation

two different instruments for the melody

leaves from the vine from avatar the last airbender

separate website for melody

chordify

drums

Kaitlyn H.

This is my first model of a music amplifier. It was made out of cardboard. The music comes in from the bottom speaker and out of the hole in the front. In the end, it did make it louder, but it was more of an echo.

>>———————> • ♡♡♡ • <———————<<

This is my second model of a music amplifier. It was created with cardboard. This uses both the top and the bottom speaker. In the end, it made it slightly louder and it came out really clear.
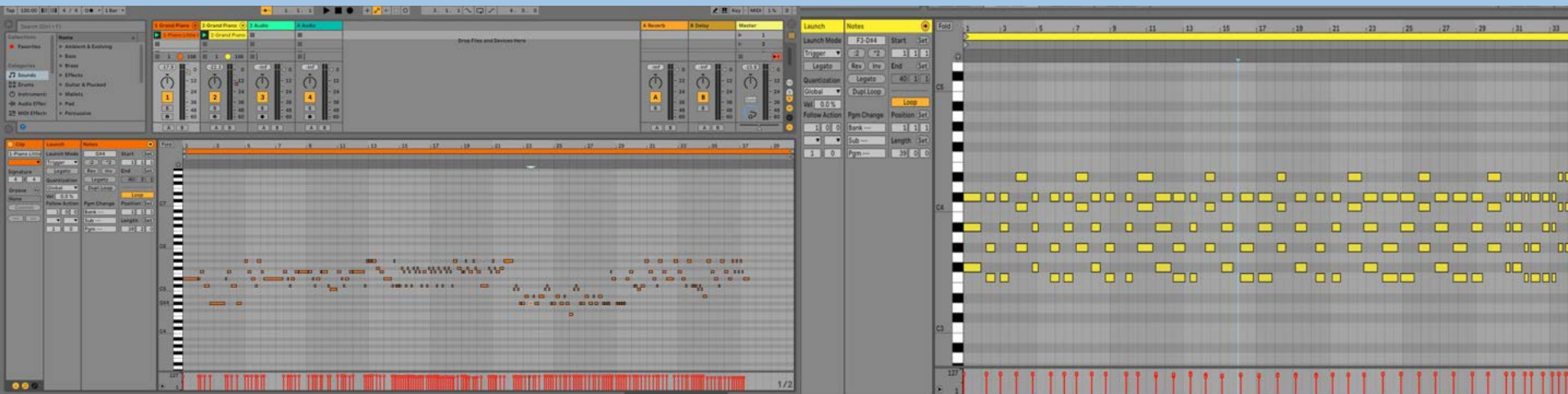
Kaitlyn H.   2

←---
audio

This is the recording of a song that I recreated: Eight by IU. The two pictures uses different types of pianos. It was very fun to recreate.

Lucy Z's models

This model looks like a "X". It is making by 4 little cardboards and they sticks on each others.
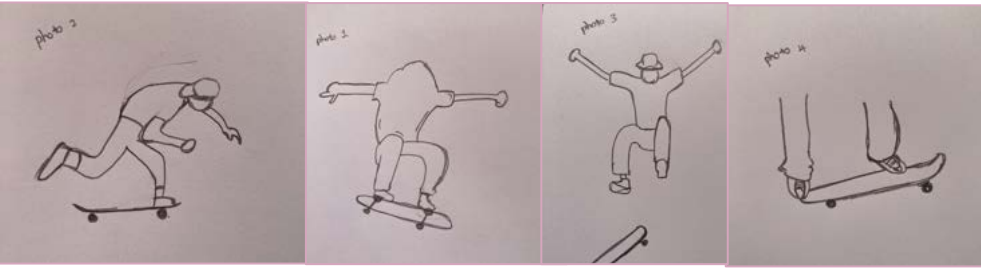

This model is a house that I designed by myself. I used a stick to connect the roof and the wall.

This model is a phone volumes player. When you put your phone into this, the sounds will be out from the big hole.
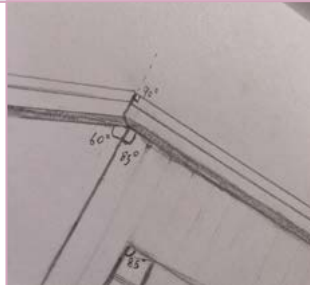
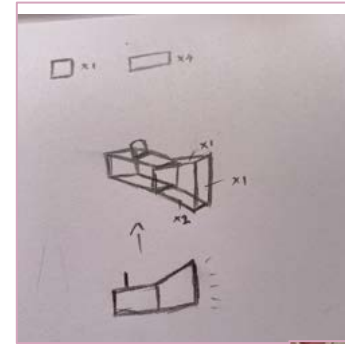# Lucy Z's sketch and drawing works

Contour Gesture Drawings
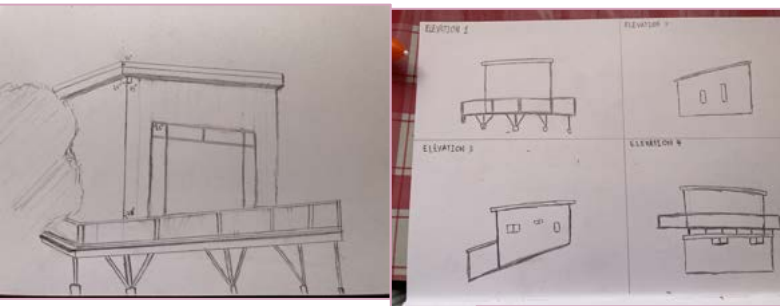
It is my drawing work about about axon drawing and elevation arts.

This drawing is about a man reading newspaper at the subway.

It is my sketch of the phone volume player.

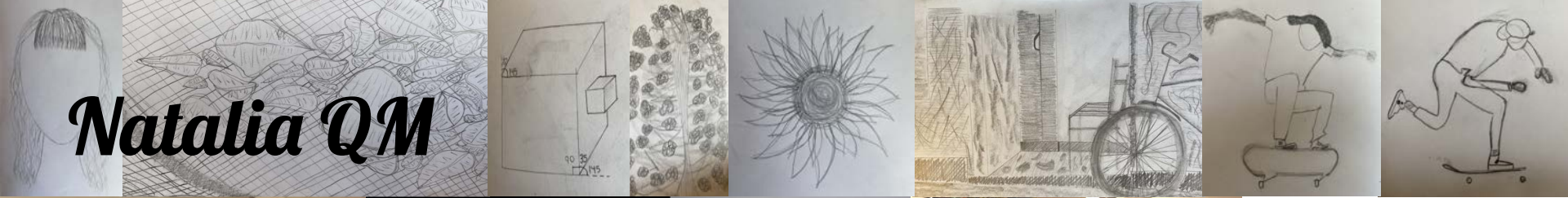It is my sketch of the model house that shows the number of the cardboards.
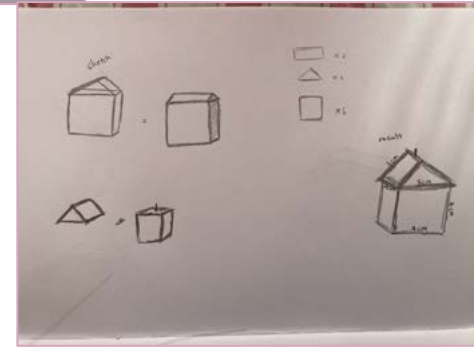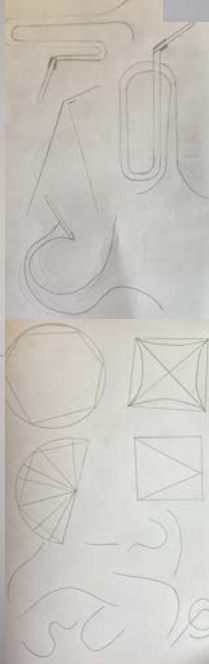
Maya's sound amplifier And music:

— — —

These are a few sketches and my finished model. I used tinfoil to make a more round shape to amplify the sound from my phone. I also made a short beat that is based on lofi pop type of music with an interesting mix of instruments.
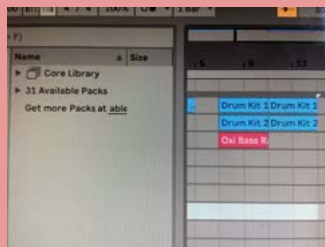
Natalia QM
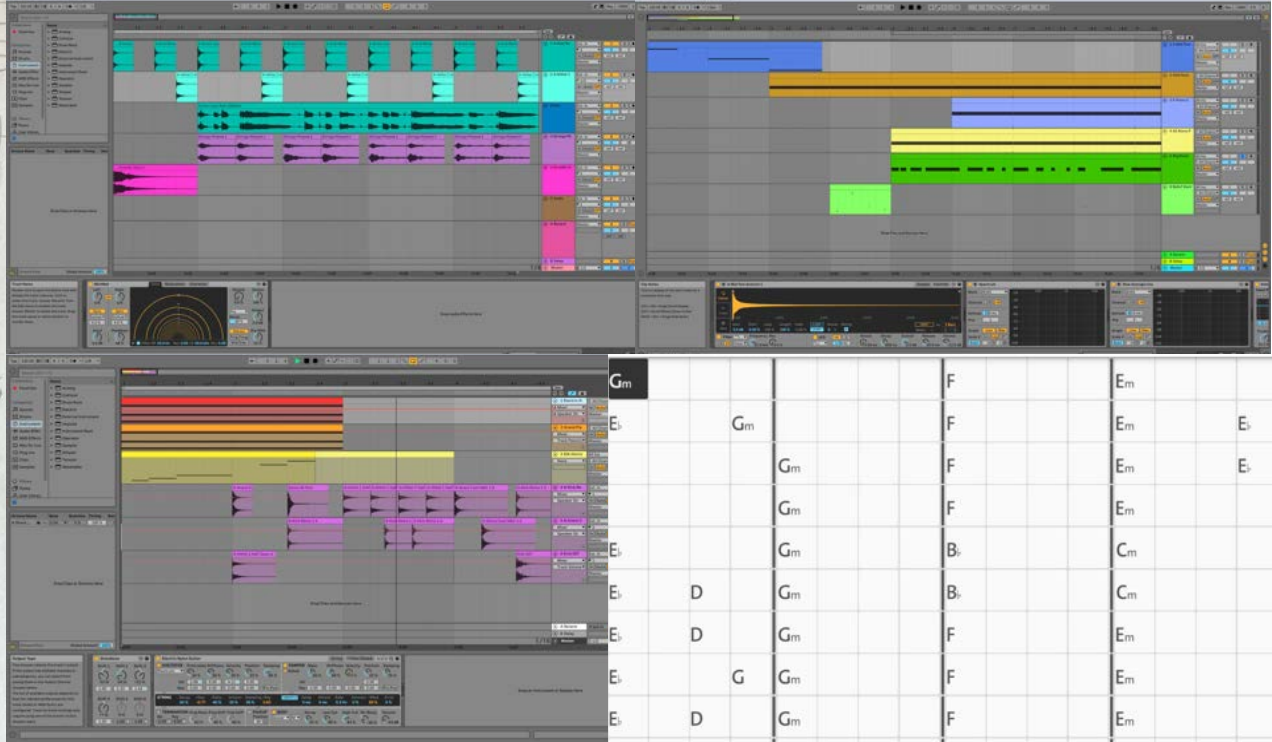
- My passive IPhone amplifier is inspired by the flare in the trumpet
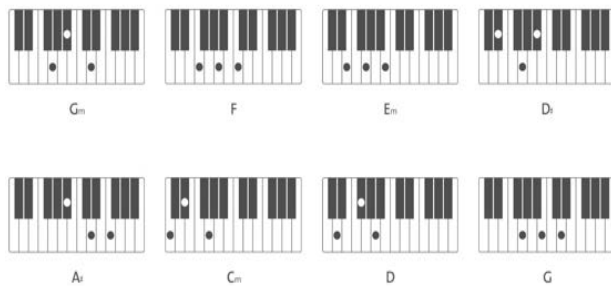
Doppler Effect Activity

Experiment: Xavier stood on the sidewalk screeching while I passed him, recording the audio on my phone. After, I reviewed the recording and noted the activity in my journal.

Reflection: I noticed a notable difference in pitch of Xavier's screeching as I passed him. The screeching seem to lower a couple octaves.

- My music was inspired by Jazz Rock and the theme song of Bosch

Studio B

Alan's drawings and models

irst Model
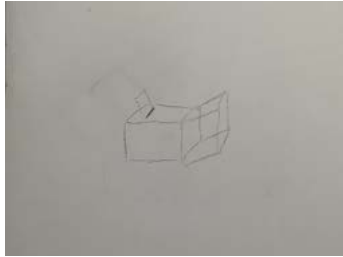
Second Model/ Final Model

F

Contour Drawings
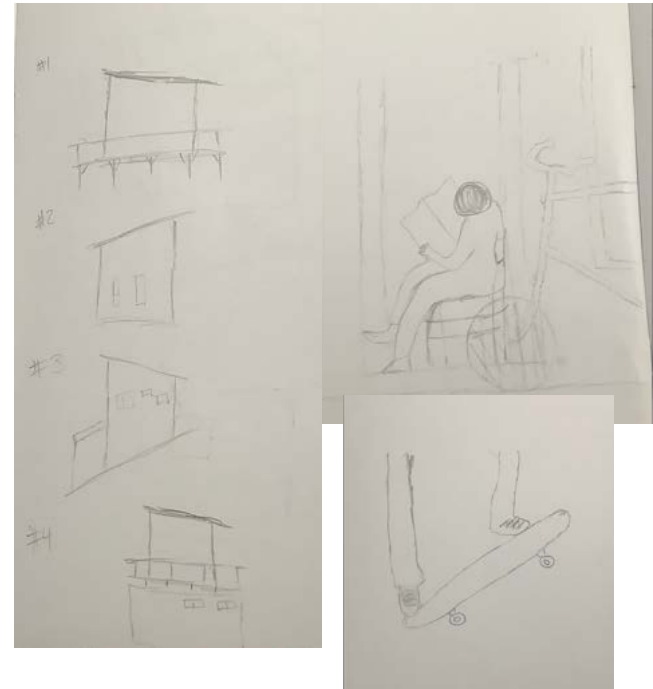
Alan's Song Recreation

For this project, I decided to recreate Deserve by Kris Wu. I have never recreated music before so when I started to try recreating it, it felt pretty hard but after getting used to it, it was very fun to try and recreate the song.

Piano
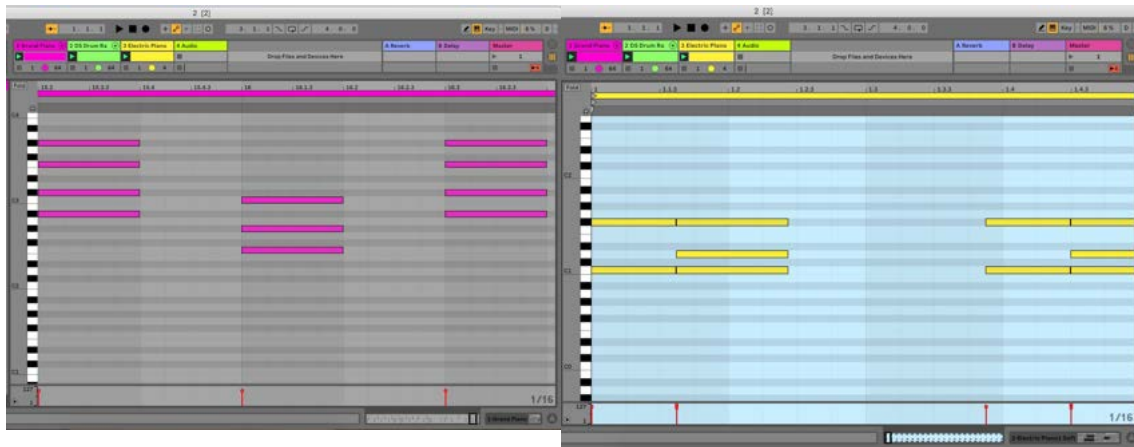
Claps

Anthony C
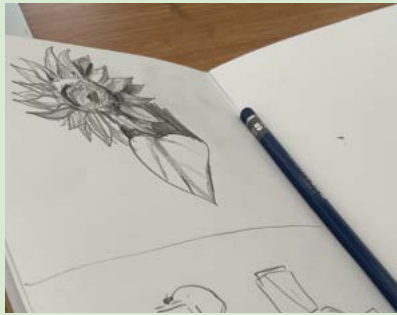
Audio Project "Bike":

Cover Song "Ghost Duet":
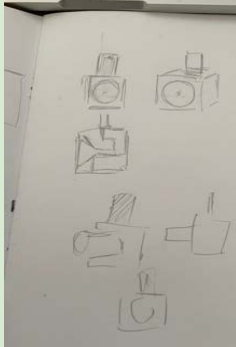
Final Phone Amplifier

Plastic Cup cut into 8 strips

Cardboard and tape braces

Cardboard outer shell

Aluminum reinforcements

Cardboard phone holder

cilla's presentation !!

ARCHITECTURE ;; SPEAKER

For this project, I wanted to be able to show a more portable way, as I haven't really seen anything like that done. I also wanted to make it dual purpose, just to try the idea out.

The process for making the design itself was simple. I wanted to make a journal with a speaker glued onto the front cover.

the final project:

pictures from the middle of the work:

cilla's presentation !! (2)

MUSIC PRODUCTION ;; COVER SONG

For this project, I decided to recreate SHINee's Lucifer, as it's a song with interesting beats that I wanted to try to recreate.
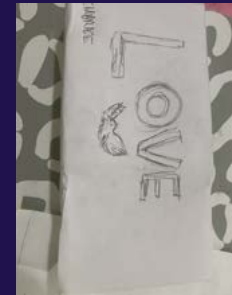
Seeing as I've never really worked with music production before, it was a bit difficult to start this project up at first, but once I figured everything out it was actually pretty fun.

my first attempt at using ableton:

🔊 🔊

kick / snare   kick / snare / hi-hats
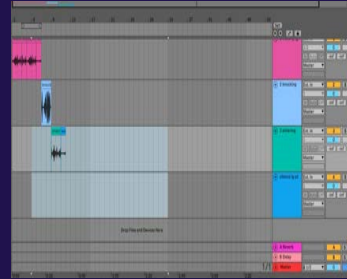
screenshots of the chords for my cover song:

Dalon

Parts of the pieces of the songs I've tried to remake

My previous plans of the passive speaker
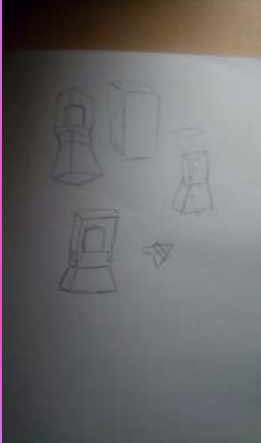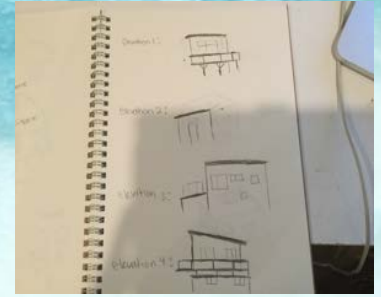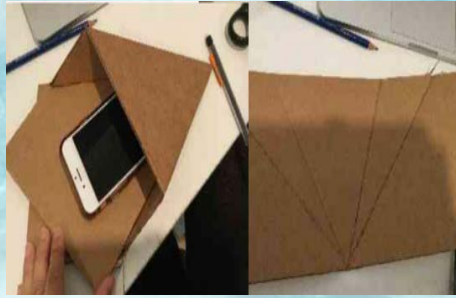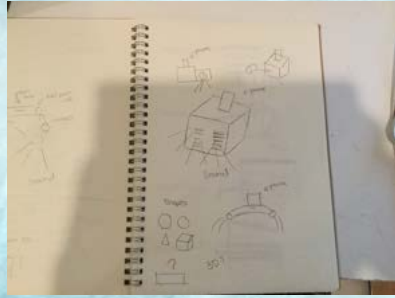
My first rapid prototype. I tried to make a stand, and tried to use tinfoil to make the passive speaker

My ending pieces, there are still things that I could do better, and I have another design in mind, but at the moment, I'm trying to keep it from collapsing

Deanna k

PASSIVE AMPLIFIER

— — —

I spent a lot of my time doing sketches and the hardest part was trying to figure out the which one I liked the most and how to make it look good but at the same time try to make it produce sound the loudest. I would say my end result is more of a sound focuser than an amplifier
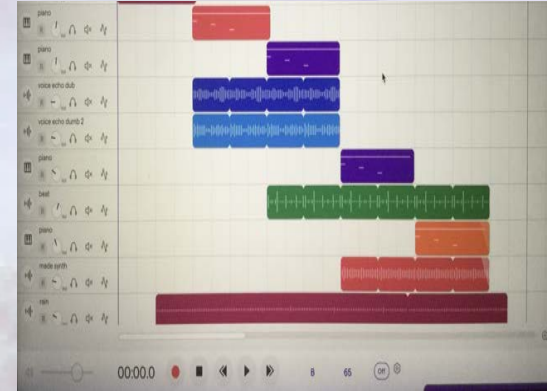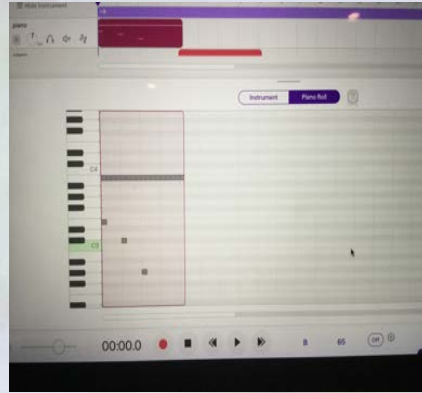
Deanna k

(MUSIC)

Song recreation
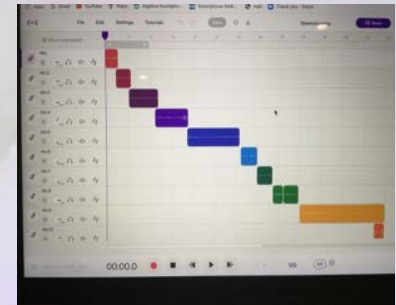https://www.soundtrap.com/signup?ref=7236ba6daab3621ccbcdb2197554843

I loved this music assignment i chose Changes by X because it's such a simple song and i made it kind of my own but it bummed me out cause i wasn't able to have Ableton so i used a software that i am familiar with called soundtrap. I started with finding the chords cause i play piano and figured out the key and tempo and the rest is stuff of my own touches.

SoundScape story line :

https://www.soundtrap.com/signup?ref=2dd22b4037341dc779338ccc82402078

Ison-music

My song is a combination of three songs and with also random other notes and sections added. This song creates a calming environment but seems somewhat sad due to the low notes

Ison-design process

First design
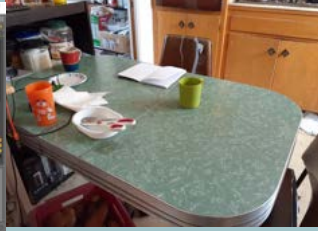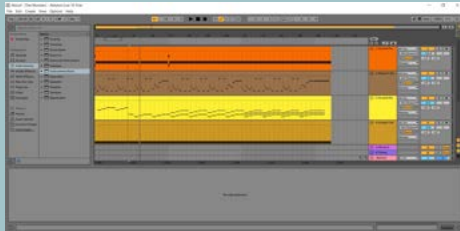

Second design

Final design

Other pictures

Inside model

Jonathan L.

← My Workspace

Listen to this (to set the mood)

1st Prototype

2nd Prototype 🔼

<--Final Project

Jonathan L.

Guitar
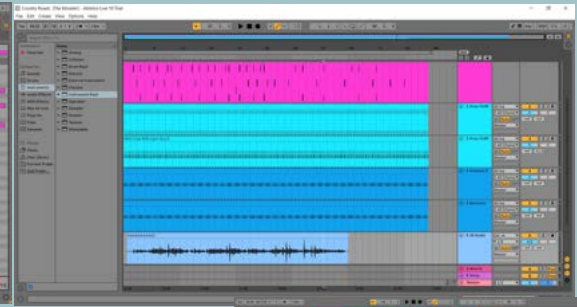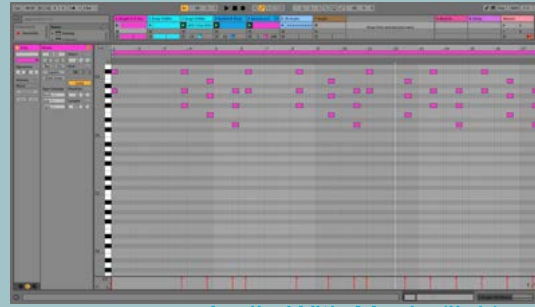
Snaps
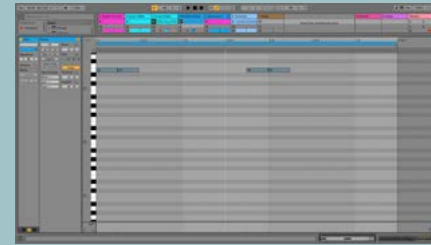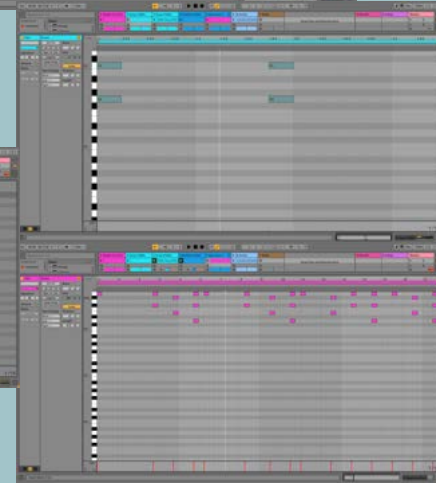
The sounds in it:

This is me remaking the song: "Country Roads"

An audio mini movie:

Shakers

Chorus

Claps

It was fun making all of these things. But everything comes from an idea. I usually think about what I want to make before actually starting and sometimes I even make a few blueprints/sketches. Then, I make some prototypes and work towards the final project (or until I'm satisfied with what I have made). It's not yours unless you like it. Lastly, this whole program has been fun so far. - Jonathan Louie
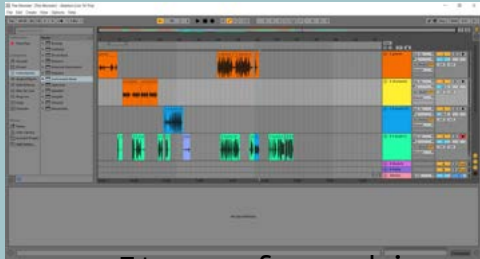
Lance

My first prototype was pretty awful, but I took advantage Of the 2 microphones to make my audio louder.

This helped me learn that if something doesn't seem to work just work around it.
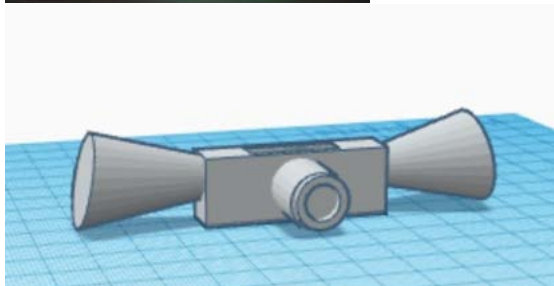
I made a 3d model of an improved version of my first prototype. Using two of these, 1 for the top speakers and 1 for the bottom utilizes both speakers.
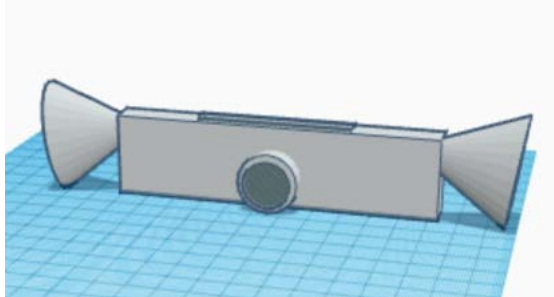
An improved version of my first 3d model
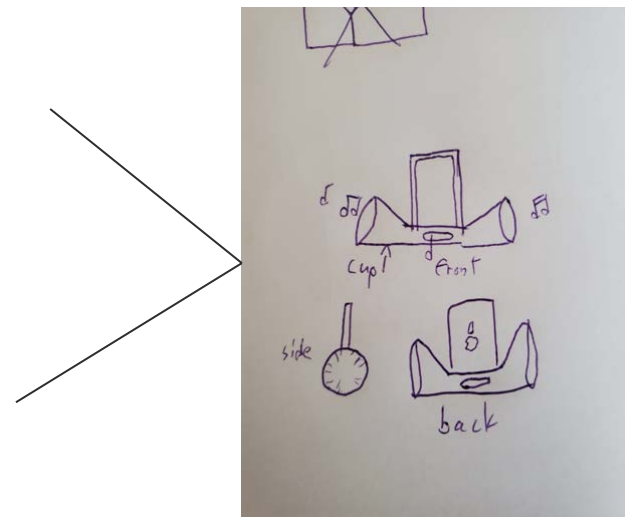
Concept art

Lance 🔊

My timing for the piano isn't really synced with my drums. Working on that.

This music assignment helped me to have a deeper understanding of music and ableton.
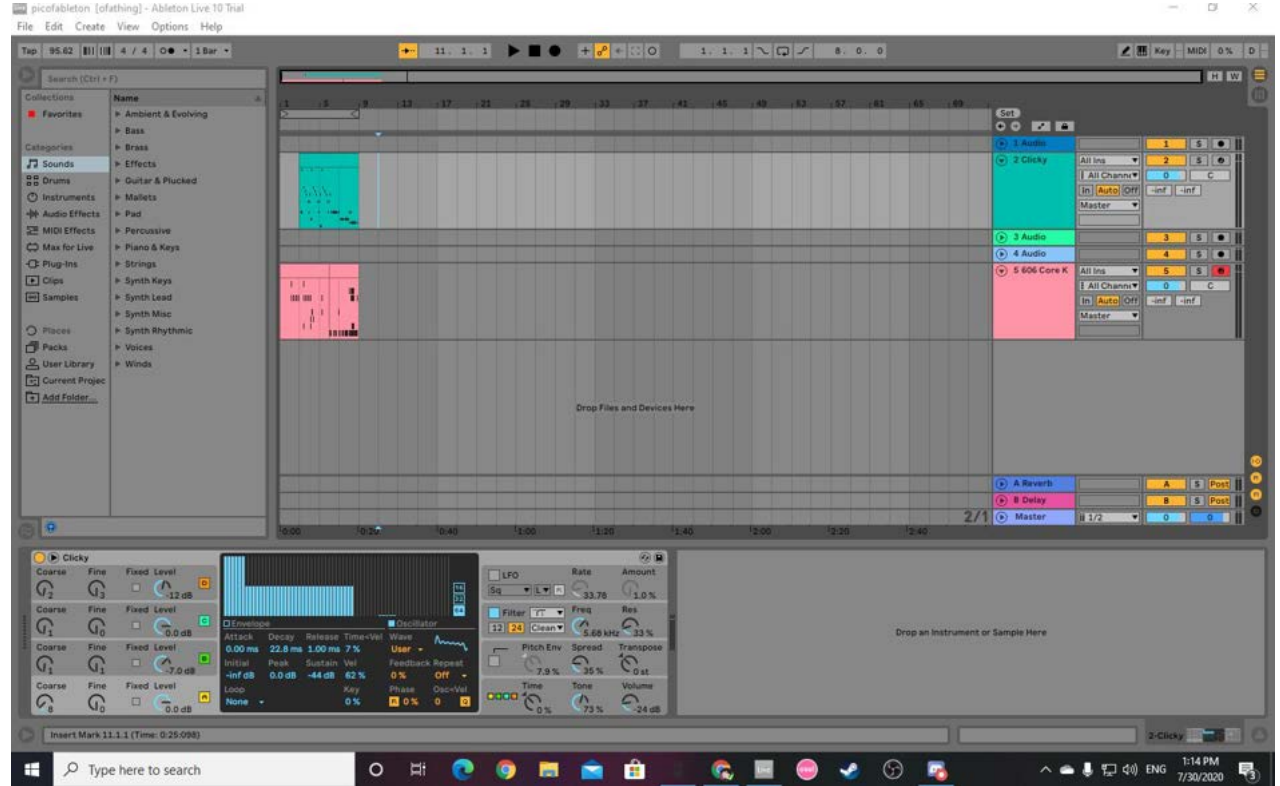
Luca

First try didn't work at all

Made it bigger still didn't work

I tried a completely new design and it worked a little bit

Combined the 2 designs and it worked great

After figuring out the tools I spent my time trying to make sound

My workspace

SHANICE'S PRESENTATION | Passive Amplifier & Sketches

Prototype 1:

I cut holes to try and amplify the sound but it didn't work at all.

Prototype 2:

Instead of cutting holes, I tried using a tube, which worked a little better.

Prototype 3:

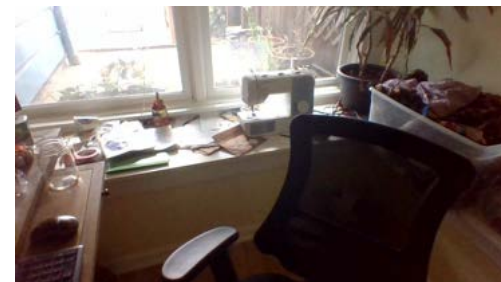Learning from my previous prototype, the tube projected the sound better so this time I used cups & tube. It worked better but I felt like there's still another way to make it louder.

Final Prototype:

What inspired this final prototype is when one of my classmates introduced that there's actually a top speaker. Since the previous design worked pretty well, I created another one just like the 3rd prototype but for the top. This worked really well so its my final prototype.
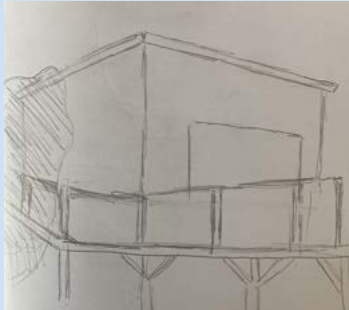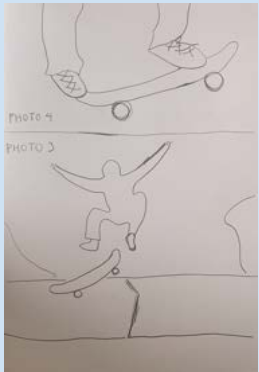
I also was really into making my speaker portable so to the left is an image of what it looks like when it is taken apart.

Other Sketches:

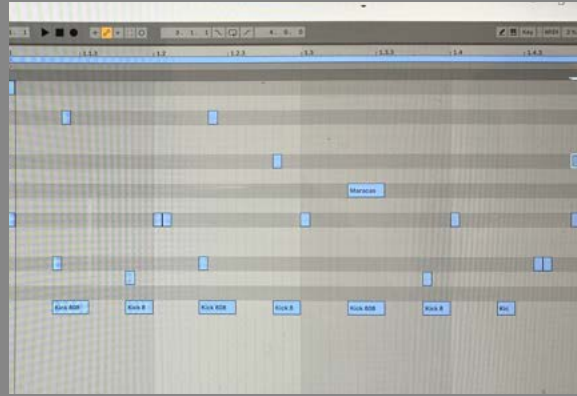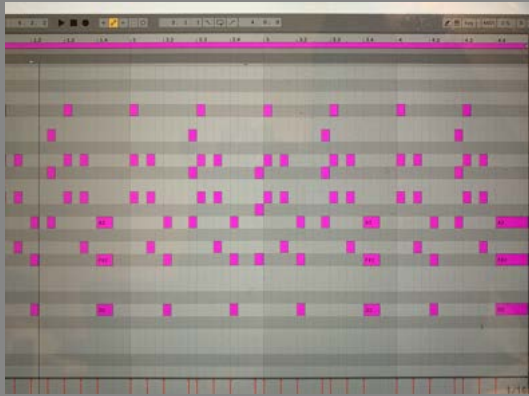**I recreated the song "Wake Me Up" by Avicii. I mainly just took the chords and changed a little by adding my own details.**

The hardest part for me was figuring out whether I should recreate it exactly like the song, or to just make changes to make the song more personalized towards myself. I ended up deciding to just make the song with my own changes, that way I could be more creative on how I wanted the song to turn out. Another thing I struggled on was the drum and beat part of the song since I have had no experience in creating the beats of songs before this. I am very grateful for all the help I got, to help me be able to complete the entire song recreation.

This is my narrative where I used sounds to show a day in my life.

My goal was to make it so people could kind of see what I am doing just by using sounds. I really enjoyed creating this soundtrack, and when I shared it, the feedback I got was really positive and I was happy that people said they were able to imagine the things I was doing.

Sidney

Build as your on the go speaker

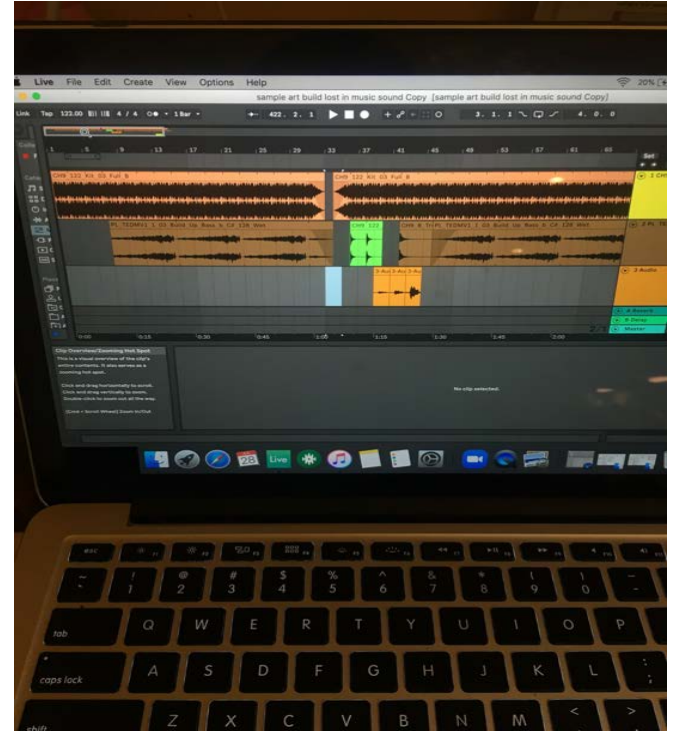You can flatten it out and rebuild on then put you phone in makes the music sound louder.

Mini gallery
Made this as if
I was designing
a part of a
museum.

sid

Music
Inspired by old
house music

THE END

Shout Out to our ArtBuild Studio TA's, Natalie & Bella!!!
Shout Out to Jorge, our YAX studio & zoom spiritual leader!!!