



the collaborative musical toy

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- colorful
- safe
- simple



- flimsy
- limited
- not expandable
- short life
- bulky & hard to carry
- unsustainable

**research**



## Jungle Jamboree Xylophone

ages: 2 - 7

gender: neutral

not recyclable

manufacturing location unknown

open-sided cardboard box Packaging

made by Little Tikes

messages: educational, fun, safe

skills: motor skills, music skills



**Hendrix**

Age 3

**Favorite Toys:**

-Toy Garbage Trucks

**Favorite Musical Toys:**

-Drums & Voice Changer

**What he likes in toys:**

-Realism

-Multiple Uses

**Problems with musical toys:**

- lack of durability

- lots of small parts

- too noisy



**Simone**

Age 3

**Favorite Toys:**

-Toy Horses

**Favorite Musical Toys:**

-Kazoo

**What she likes in toys:**

-Making noise

-Color

**Problems with musical toys:**

- heavy

- easy to break

- hard to use



**Jeannine**

Age 10

**Favorite Toys:**

-Architecture Kit

**Favorite Musical Toys:**

-Trumpet Toy

**What she likes in toys:**

-Customizable

-Fun Noises

**Problems with musical toys:**

- lack simplicity

- hard to just pick up and play

- don't help with learning music



**Camille**

Age 7

**Favorite Toys:**

-American Girl Stable

**Favorite Musical Toys:**

-Tambourine

**What she likes in toys:**

-Hands-On

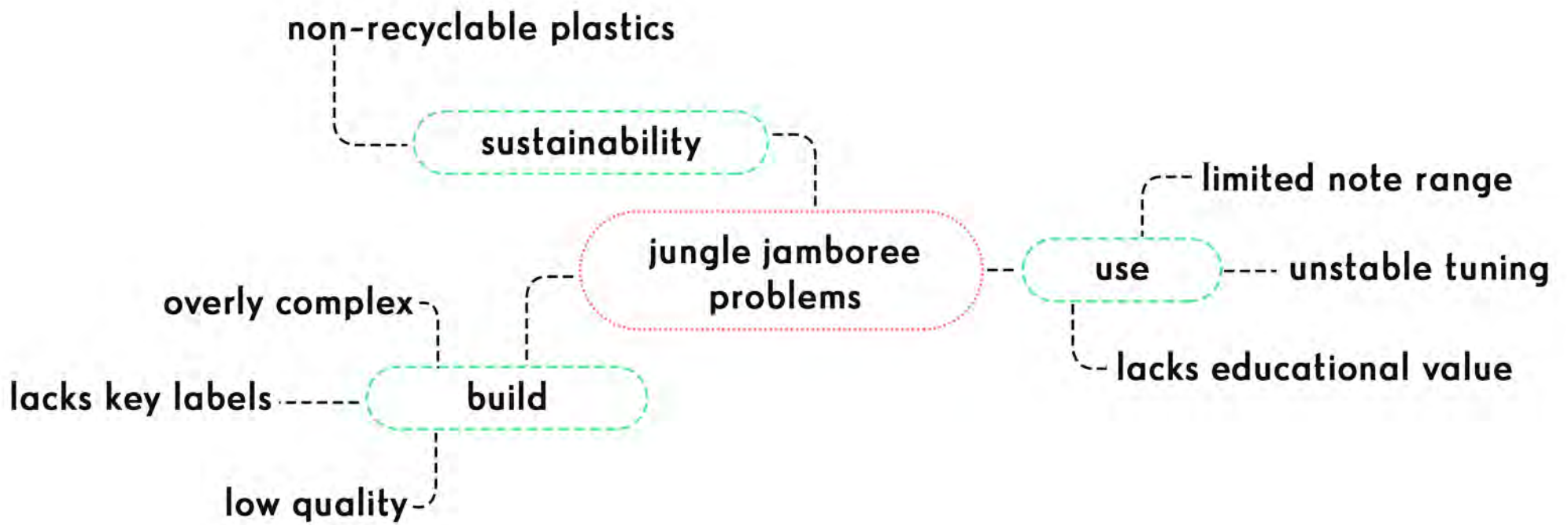
-Makes Noise

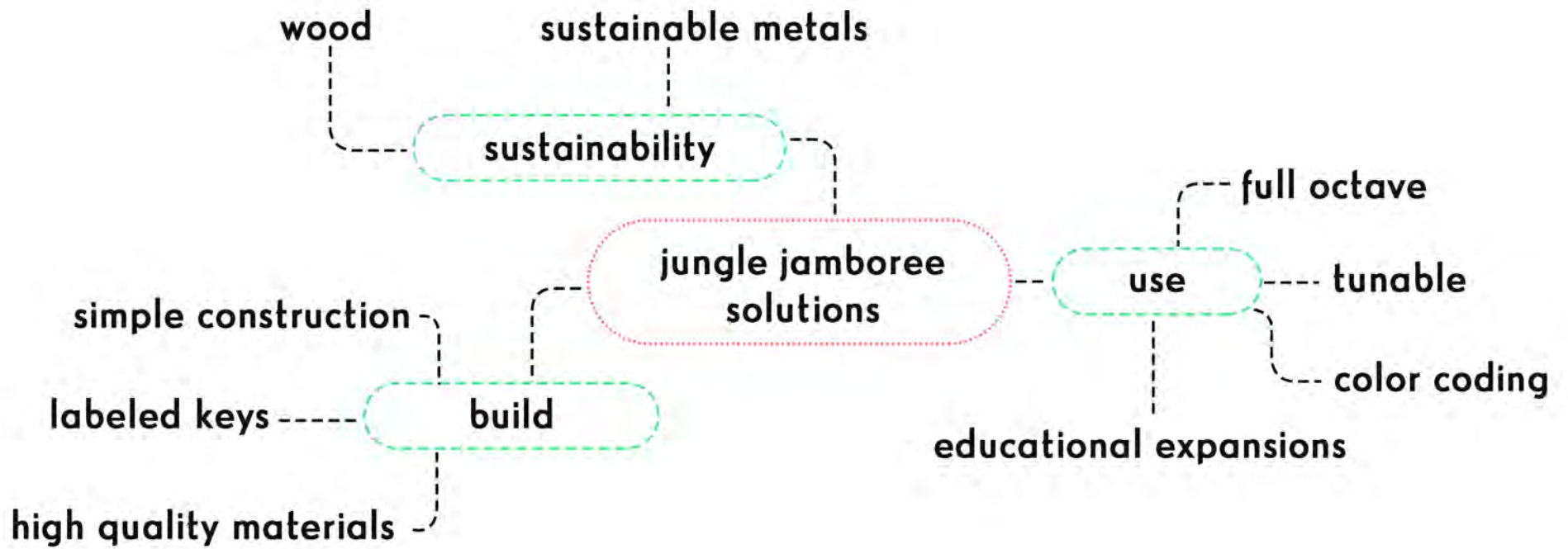
-Simplicity

**Problems with musical toys:**

- not kid friendly

- not very collaborative

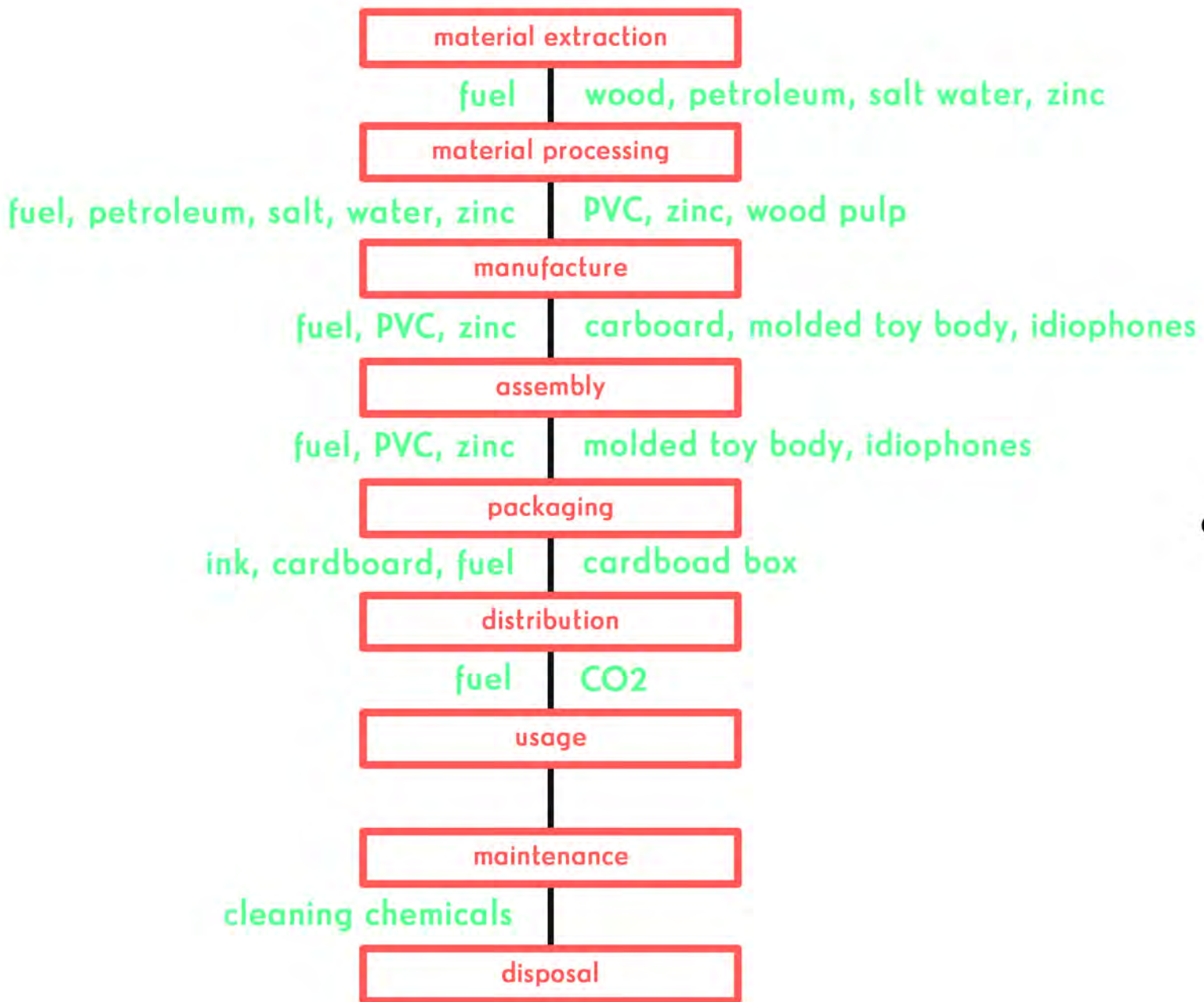






input

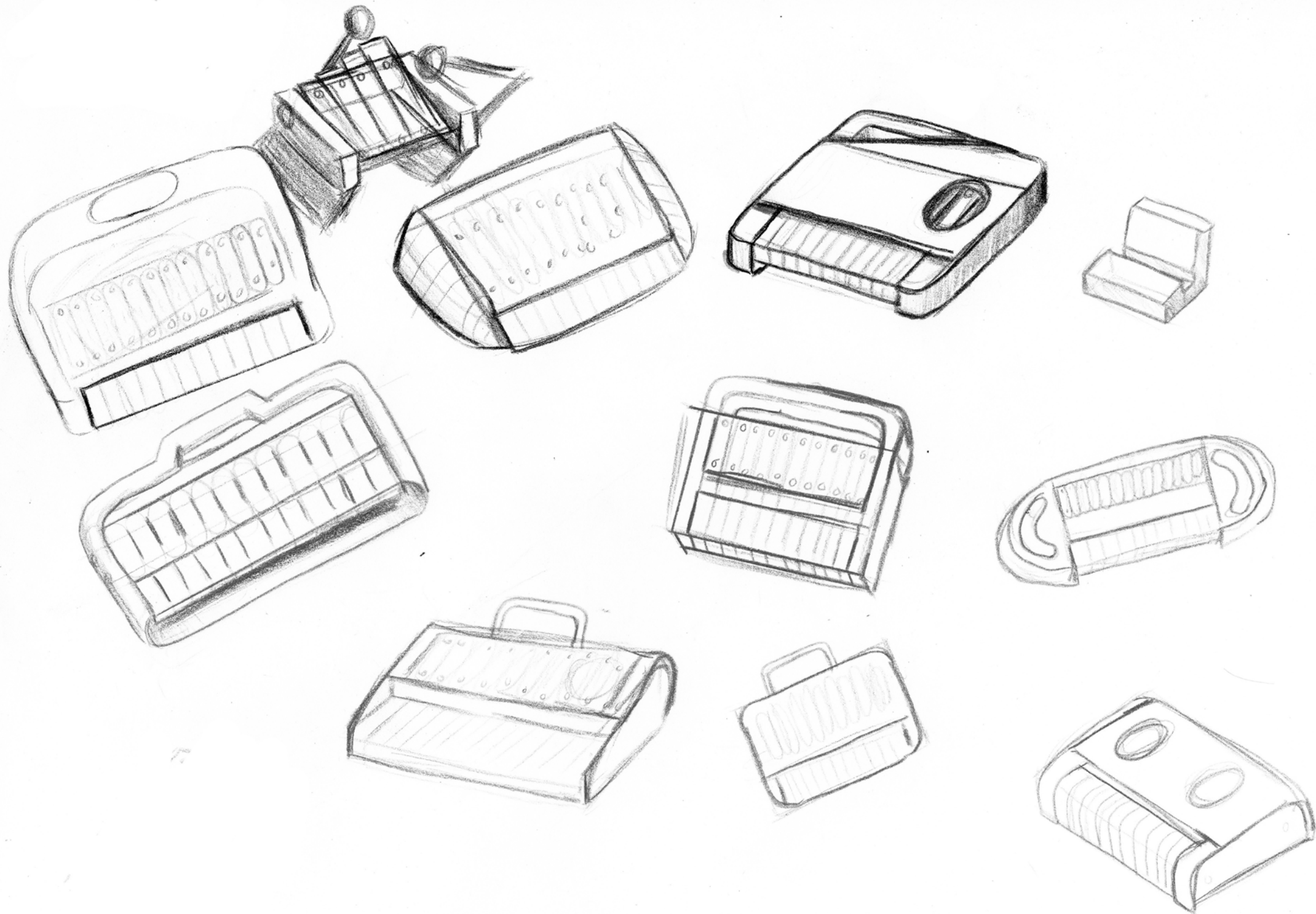
output



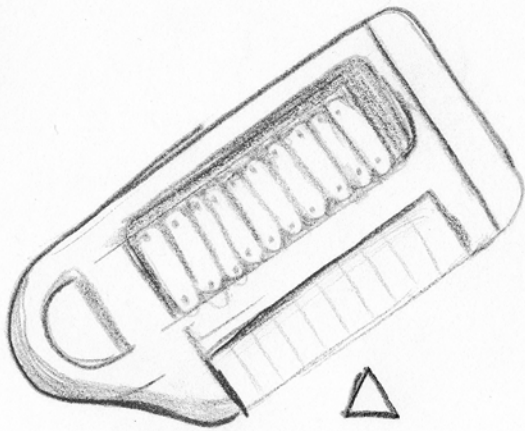
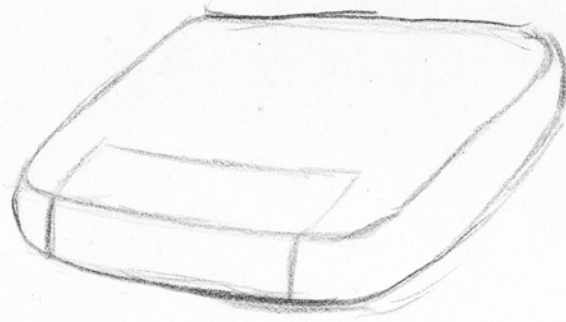
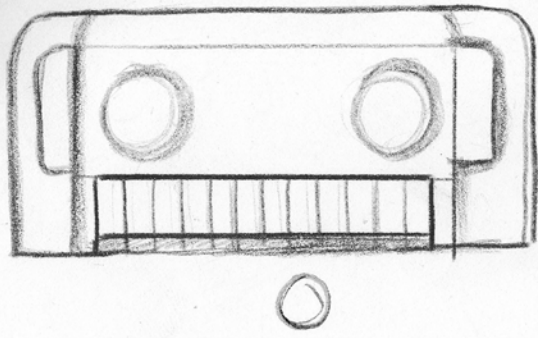
**ideation**

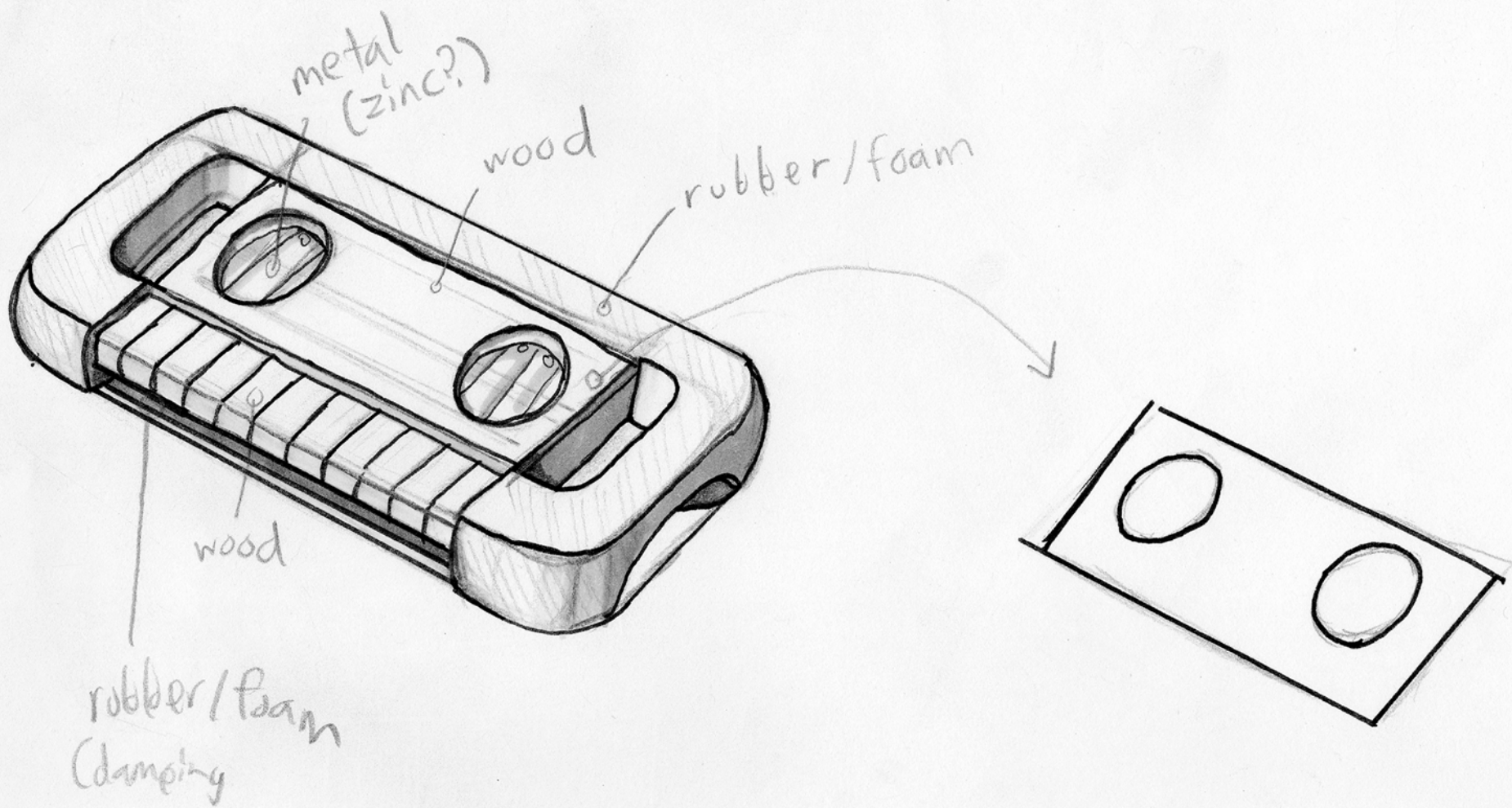
Xylophone provides a fun,  
collaborative musical experience  
that makes playing & learning music  
fun and accessible for kids of all  
ages.

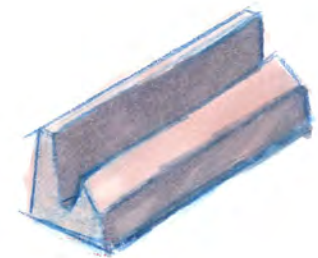
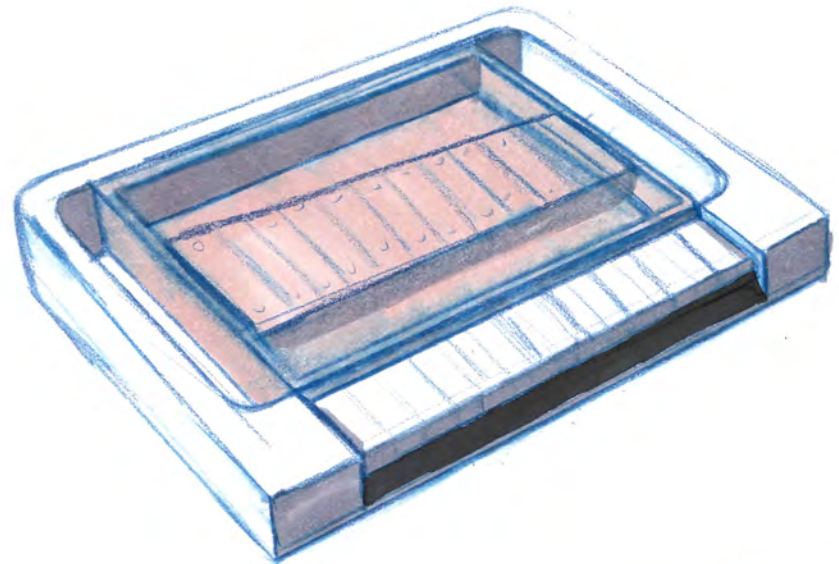
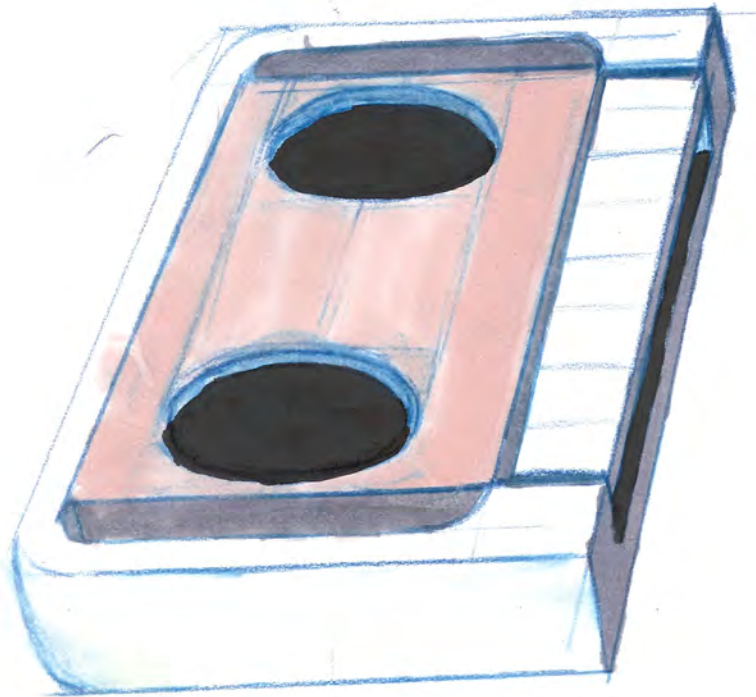
- durable
- educational
- sustainable
- collaborative
- customizable
- fun

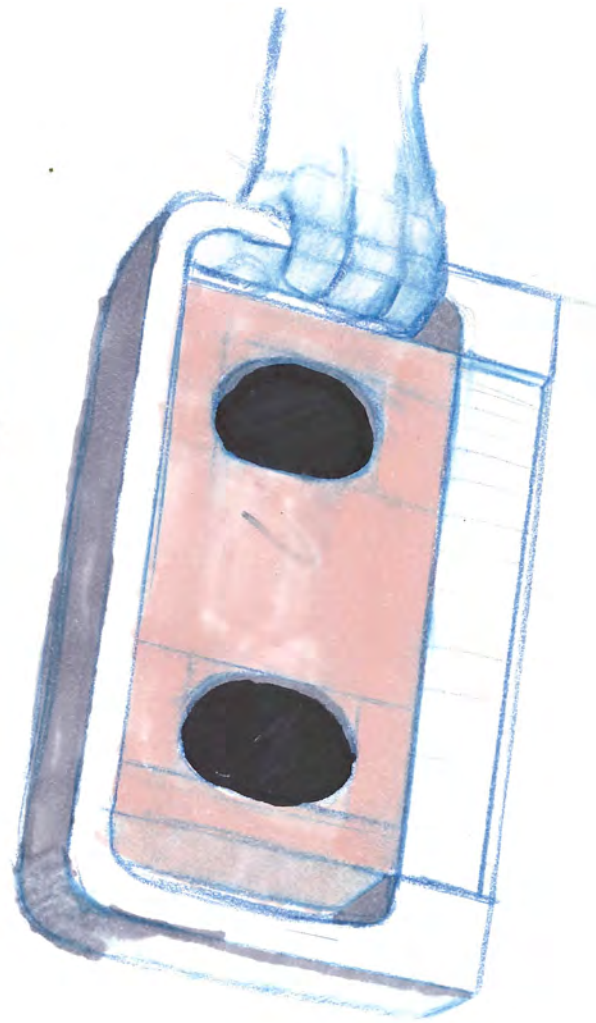
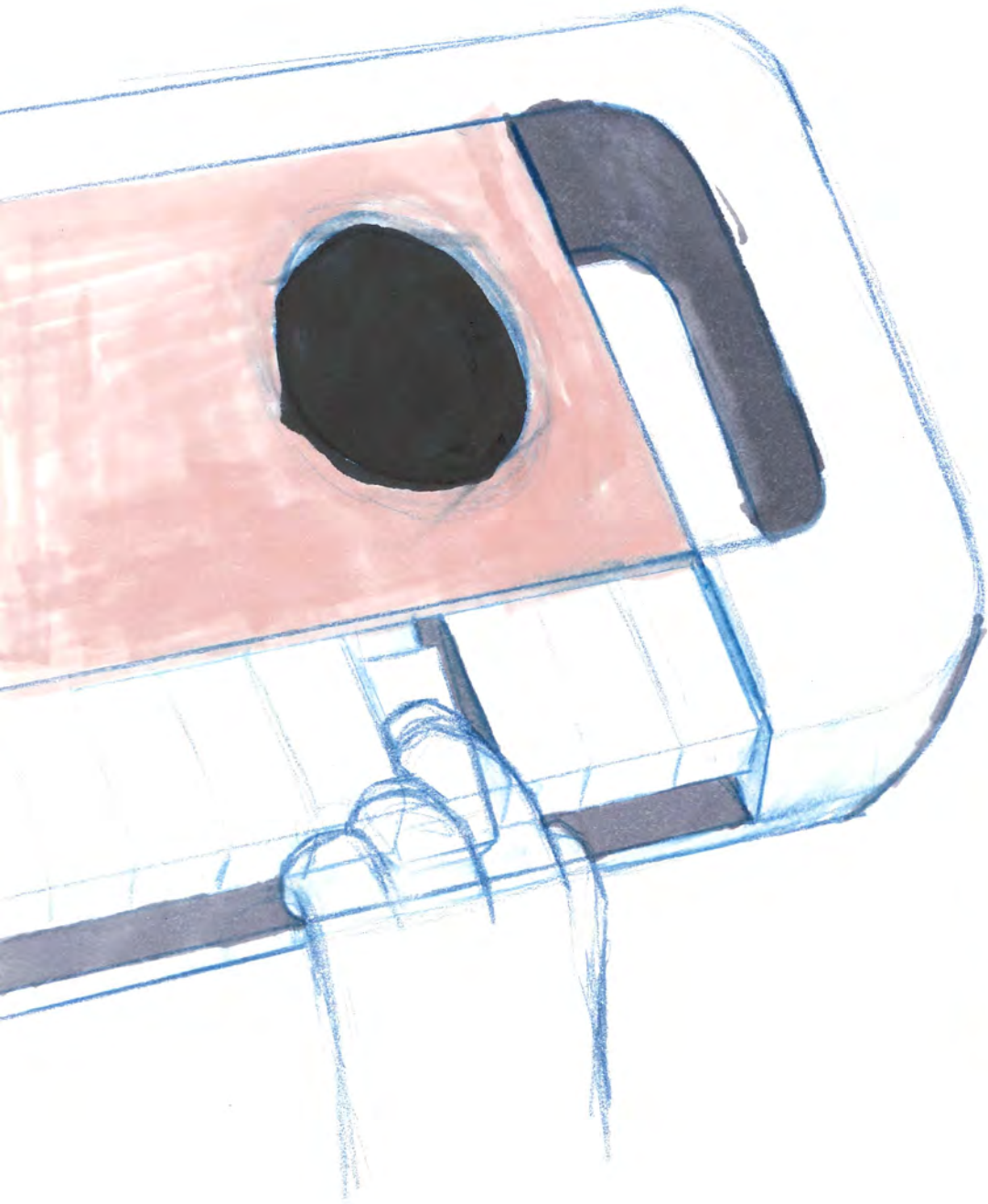


thumbnail sketches

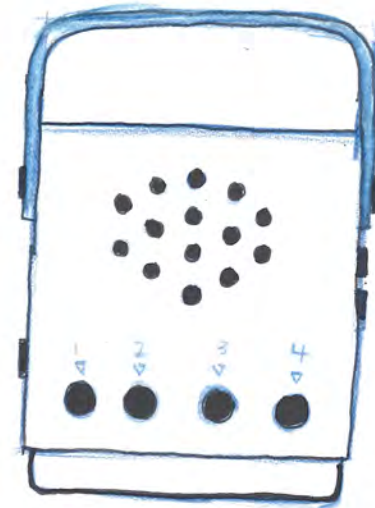
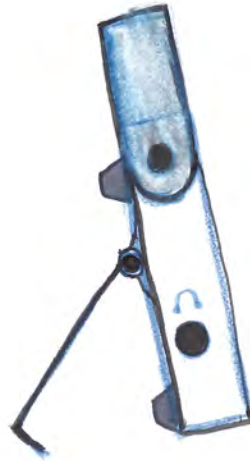
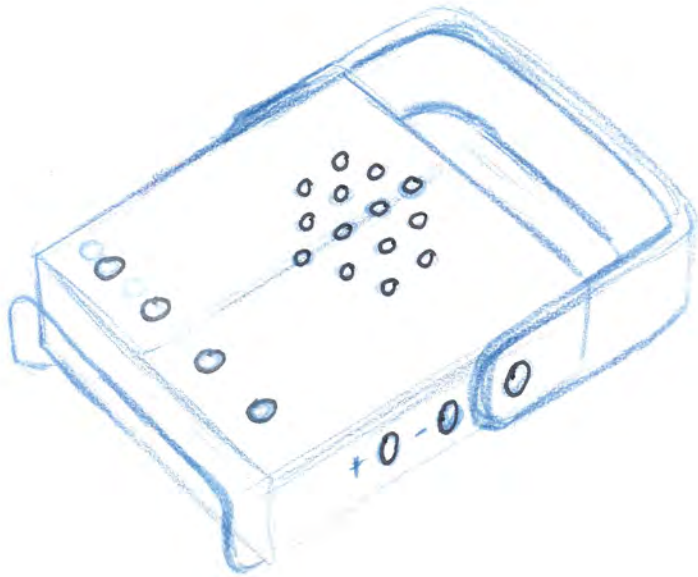


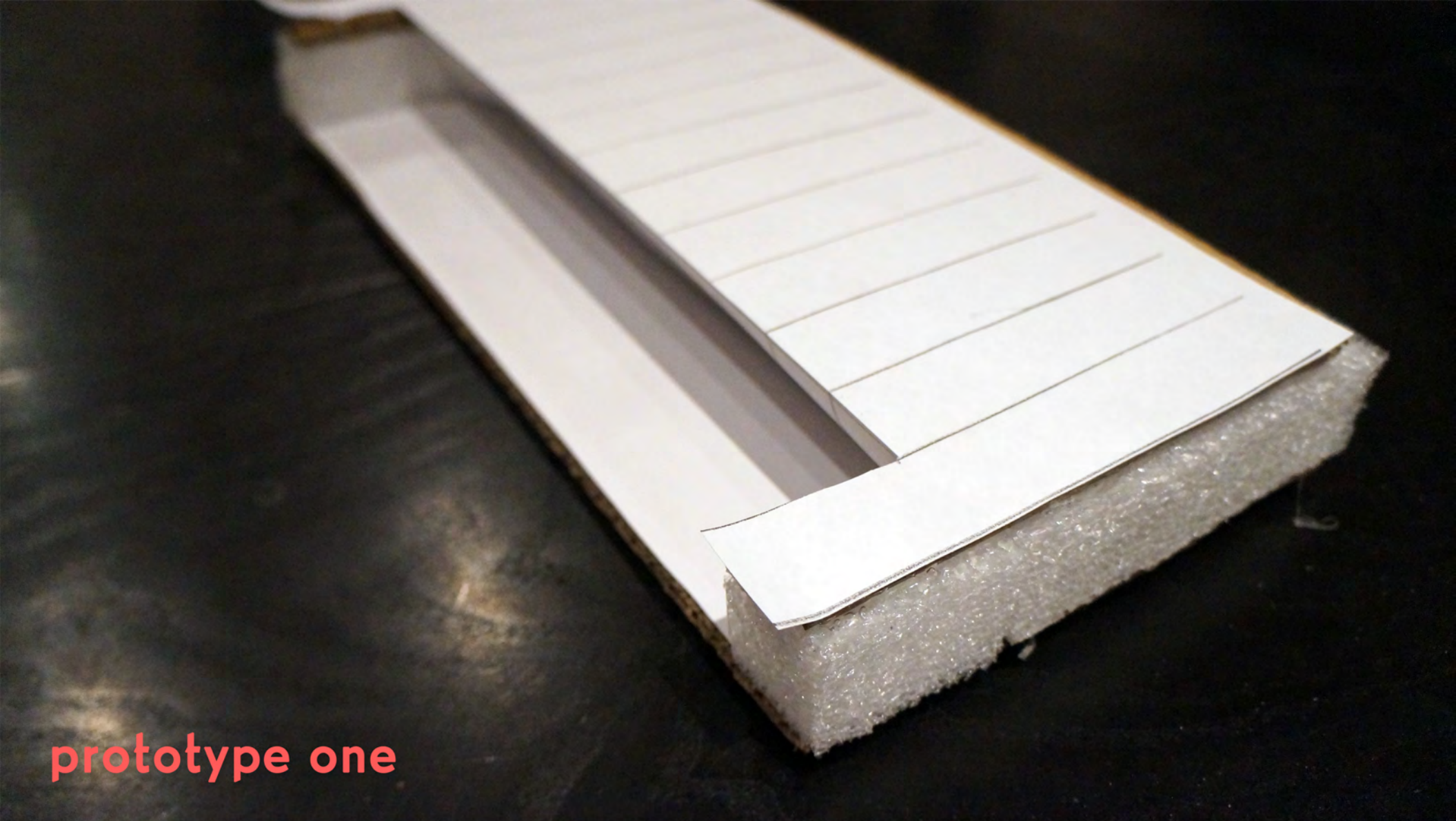






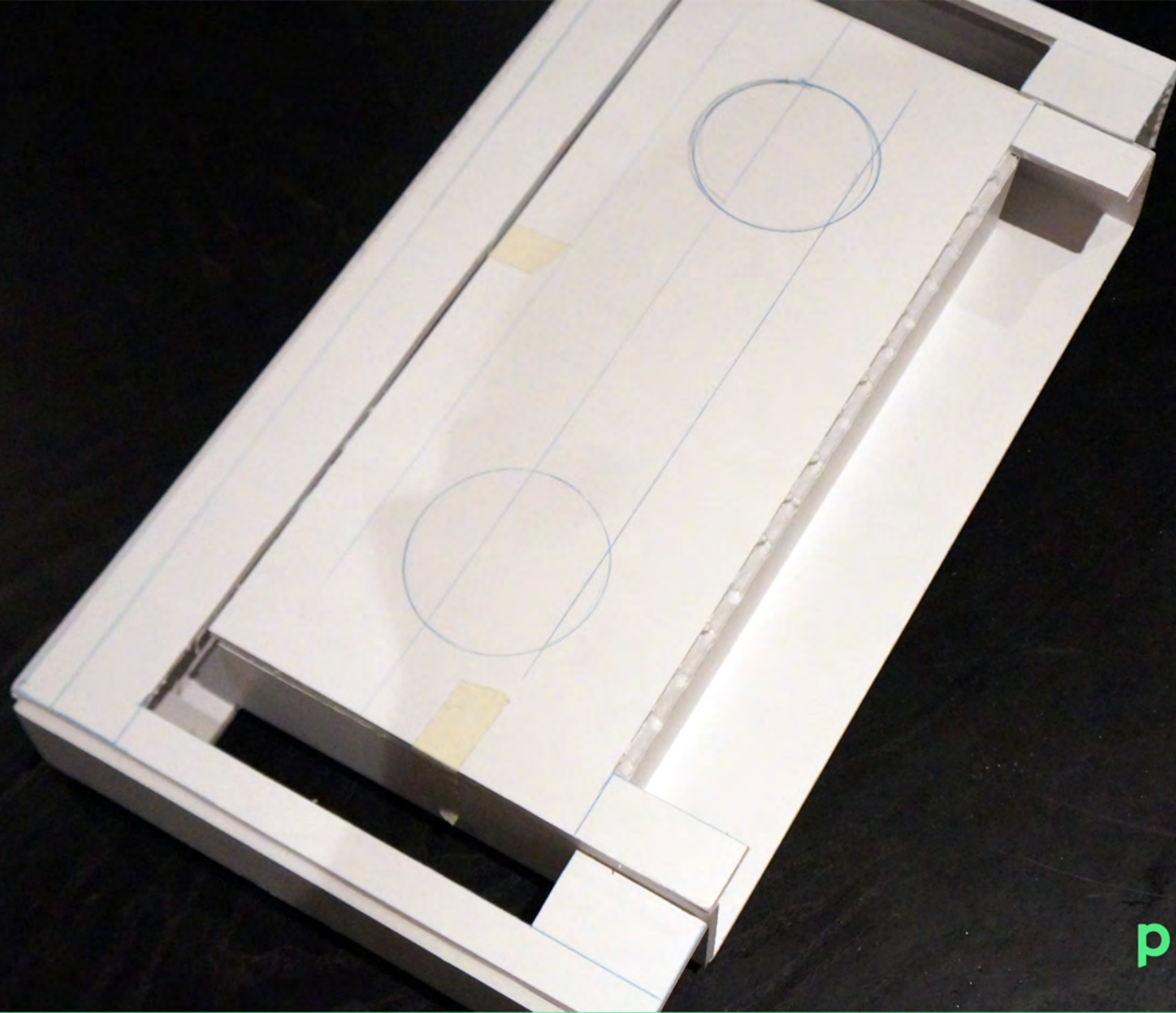






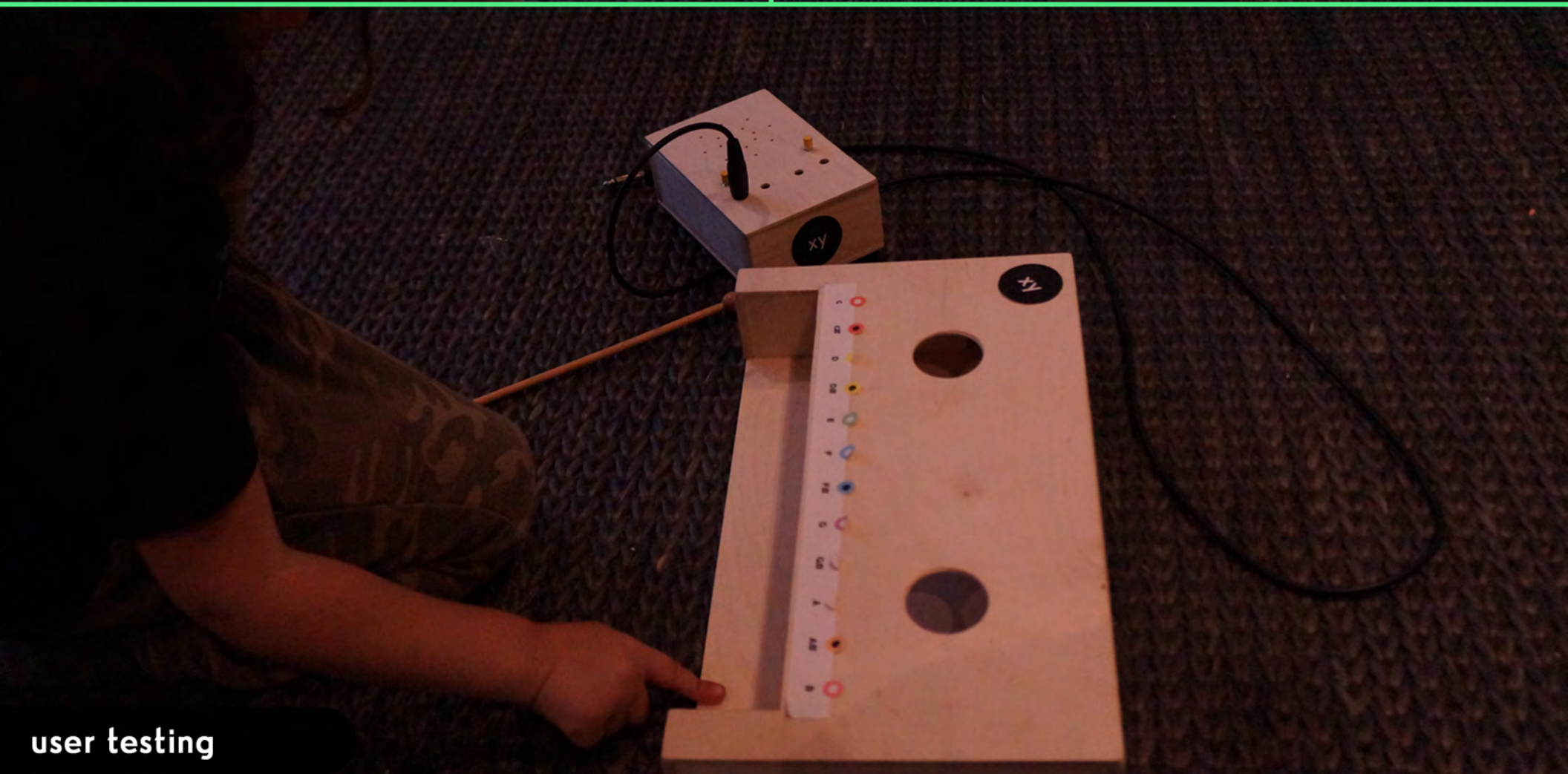
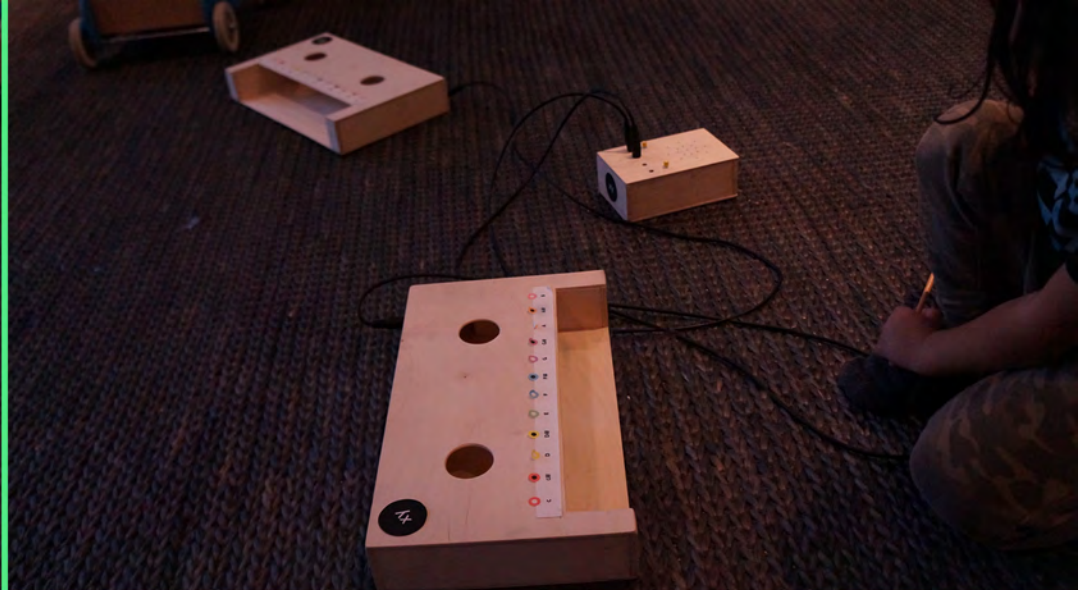
## prototype one

The first prototype was created to help determine a good size for the toy. From this, I decided on the size of the final toy, 14x8 inches.



prototype two

The second prototype was created to demonstrate proportions and to help with sketching and designing the functionality. It was very useful in designing the handles and keys for the toy.



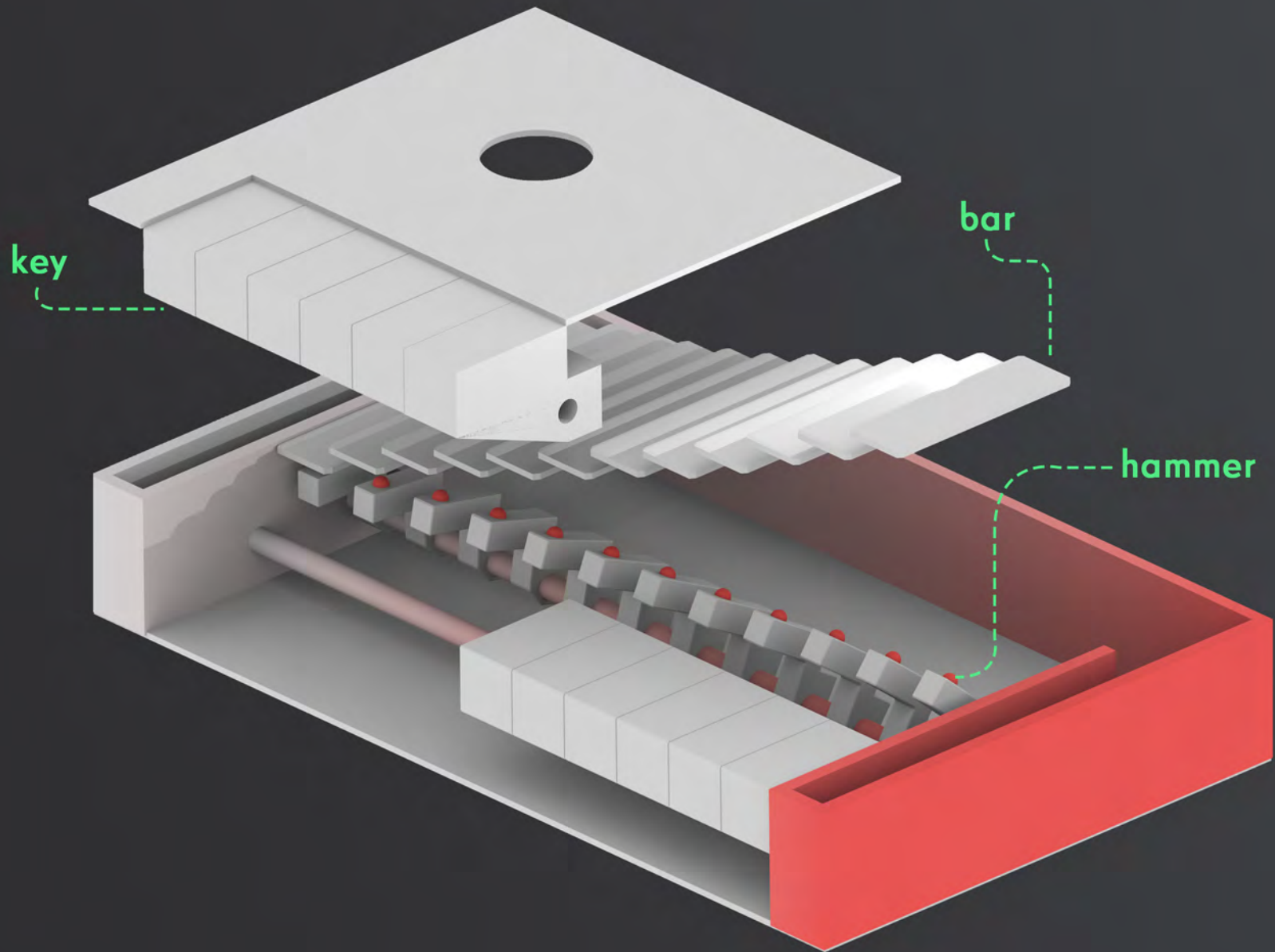
user testing

**final design**

input

output





design features



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