

# Final Draft

6.9.21

# Prototype

## ***Approach:***

- I made a cardboard foot rest that hangs off a string
- The cardboard box was already enclosed which was perfect for me
- I got the string and put it through a slit and tied a big knot on the string that is in the box so the string could hold up the box

## ***Something I liked:***

- I like the aspect that the prototype was similar to what I wanted to build and how it is different from the ones that rest on the floor

## ***Something I will not do again:***

- I don't want to put the string in the middle because it was kinda flimsy/ it wouldn't sit right when one foot was on it



# Final Build

## **Approach:**

- I made it wood because cardboard would not support full weight resting on it
- I use the wire rope because its a bunch of strong metal wires that can hold the weight you are putting on the wood and it's bendy and can swing around
- I made a hole through the wood just big enough for it to get through but not come undone, and also made the end into a knot so just in case it wouldn't slip through the hole

## **Something I liked:**

- It came together pretty easily but we had to use a saw which was super dull to cut through the wood, so it wasn't a super clean and even cut. When making the hole for the strings to go through, it took a little bit of time because we didnt want it to get big enough to a point where it can go through and slip out, so slowly we kept making the hole a bit bigger.

## **Something I will not do again:**

- Use a saw for cutting the wood
- The rope that holds up, instead of a loop that it goes on a hook, and mount to screw into your desk



# Final Test

## ***Test objective:***

- Seeing if it can hold up both of my feet
- If the wood becomes uneven when one and or both feet are on it
- The rope slipping through the hole
- Moving and swing around the foot rest to see if it can hold up

## ***Test method:***

- User Testing

## ***Test criteria for success:***

- Rope didn't come undone
- Both feet fit
- Foot rest was stable while feet were on it
- Was able to move and swing around



# Final Evaluation

## *Aspects of my final draft that I like:*

- It function like how I wanted it to

## *Aspects of my final draft that I did not like:*

- It wasn't visually pleasing with the different colors
- look like more of a swing than a foot rest

## *What I would change next time*

- The hooks that it was attached to, I would want the rope itself have a mount on that can be attached to the desk than attaching a whole separate piece for it to work

