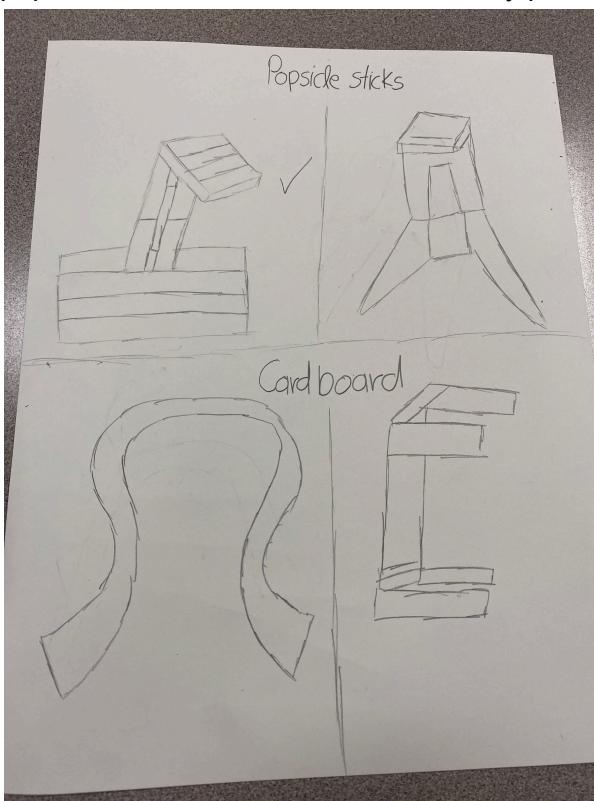


Aryan Bhatnagar
Engineering Notebook
Device Stand Design Challenge
Ms. Kamen / Ms. Edore

Day 1: September 22, 2021

I want a place where I can place my headphones and conveniently charge them, so I am going to build a Headphone stand with a special feature where I can place my headphone charger on the stand and I can plug it in the headphones conveniently. I can build my stand using popsicle sticks or cardboard. Popsicle sticks are more durable than cardboard, but cardboard is more flexible than the sticks. I will sketch out 4 different designs, 2 made out of popsicle sticks and 2 made out of cardboard. After making the designs I think that the top right one that is using popsicle sticks is the best solution to my problem.



Day 2: September 24, 2021

Today I am going to start building my prototype out of popsicle sticks (I might add some cardboard in my build). I started to build the base of the headphone stand and so far it is looking good, I built it out of popsicle sticks and I cut the edges. To give it that good look I added some popsicle sticks at the end of the glued ones. Then I found some balsa wood and I realized that it could look amazing with my stand, so I started to cut the wood. Right now I am not done with the base and I only need to work on the head of the stand, then I can customize it to my liking.

Day 3: September 27, 2021

Today I am going to finish my stand and so far I have built the base of the stand. I started off with the sticks that were going to hold up the headphones and I cut them according to the headphone height. Then I started to work on the head of the headphone stand and I used some popsicle sticks and glued them together. Then I gave it some detailing by adding some of the extra sticks on the side of my stand and some small balsa wood on the head to clean it up. These are my pictures for my finished product.



Day 4: September 28, 2021: Today I am going to add a little stick that is going to make my stand function as a phone and a headphone stand. Now these pictures are my final product:

