

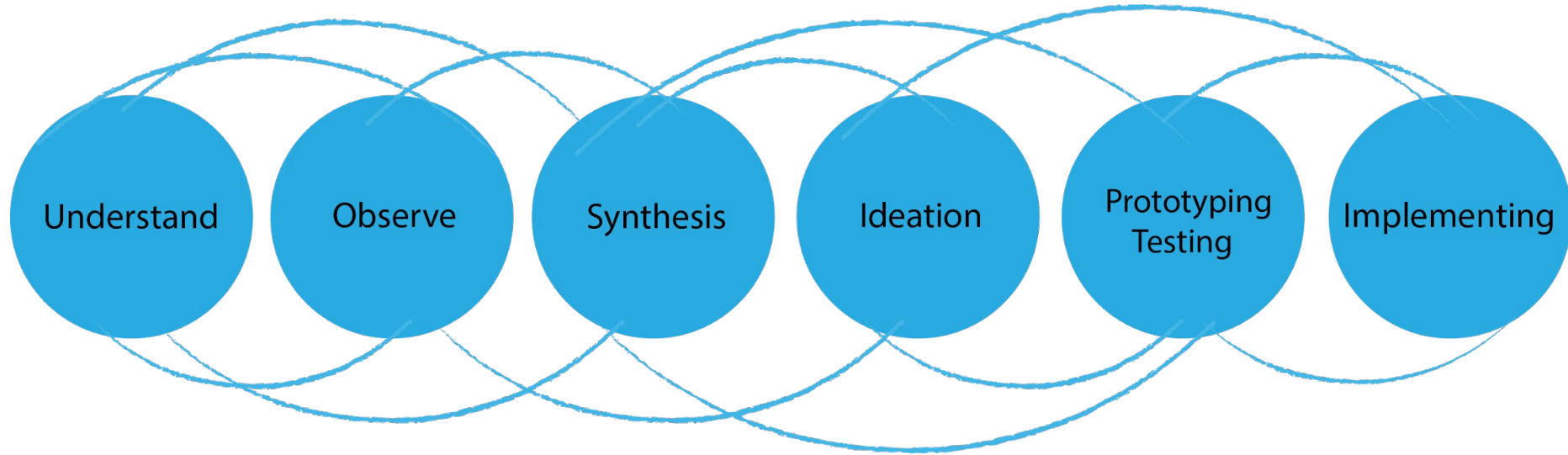


# Mold Making

Sa'Niya Whitfield

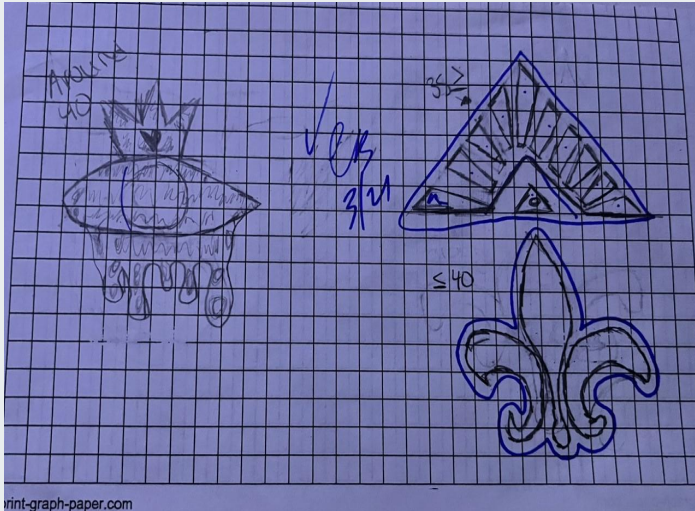


# Iteration Process



# Brainstorming

## Sketches and Ideas

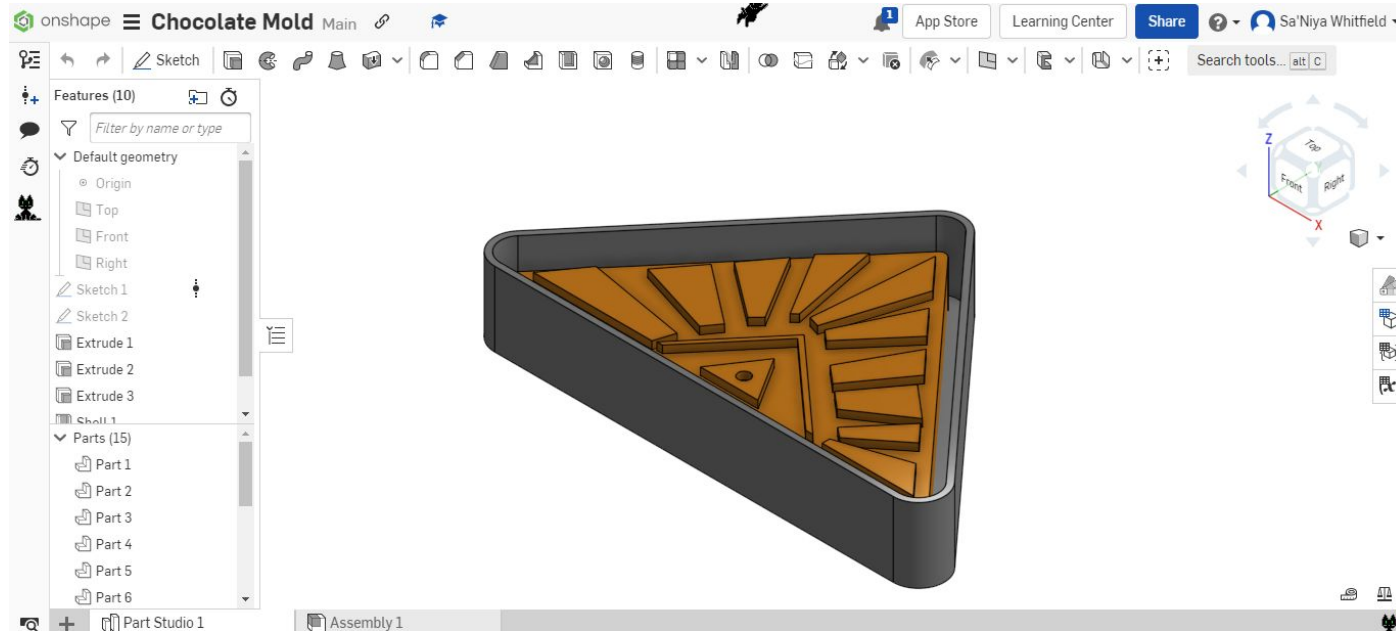


I chose the triangular sketch, because it seems more of a design for chocolate.

I really liked the scene and the motive of my favorite characters in a scene from one of my favorite shows, and I fell in love with the clan she created. Since it comes from a show that I consider my favorite, it would be really cool for me to make something like that.

This is the clan symbol from "The 100". One of my favorite characters kind of made the clan split second when she had to convince a group of people to let everyone in a bunker to survive radiation and not back out on a deal that was made. Once she had finally gotten into the bunker, she gave the people that tried to fight her a choice, in her words, "You are Wonkru or you are the enemy of Wonkru, choose." Wonkru stands for together clan or one clan, and she chose this name because she had given an equal number of spots to people from different clans and they couldn't be separated by mistrust for clans that aren't their own clans if they would be in a bunker together for at least five years, so they had to be in the same clan.

# CAD Model



Height of the entire  
mold(top to bottom)-  
1.87052 in

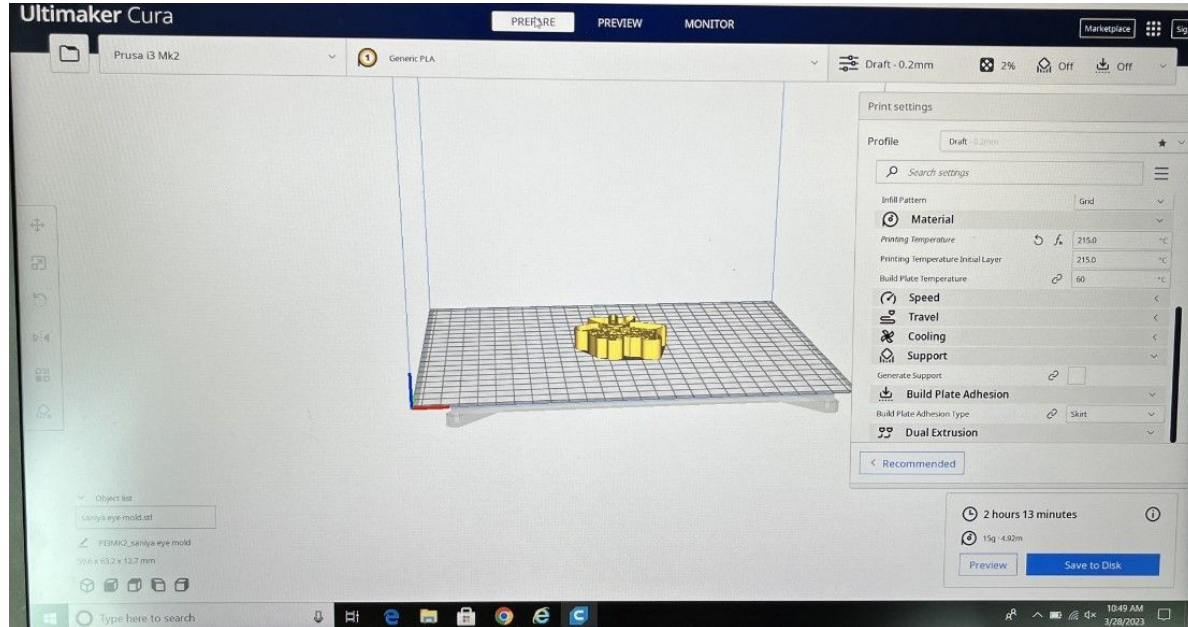
Width of the entire mold-  
3.030656 in

Surface area- 2.373- choco  
only, 5.676961- with walls  
included

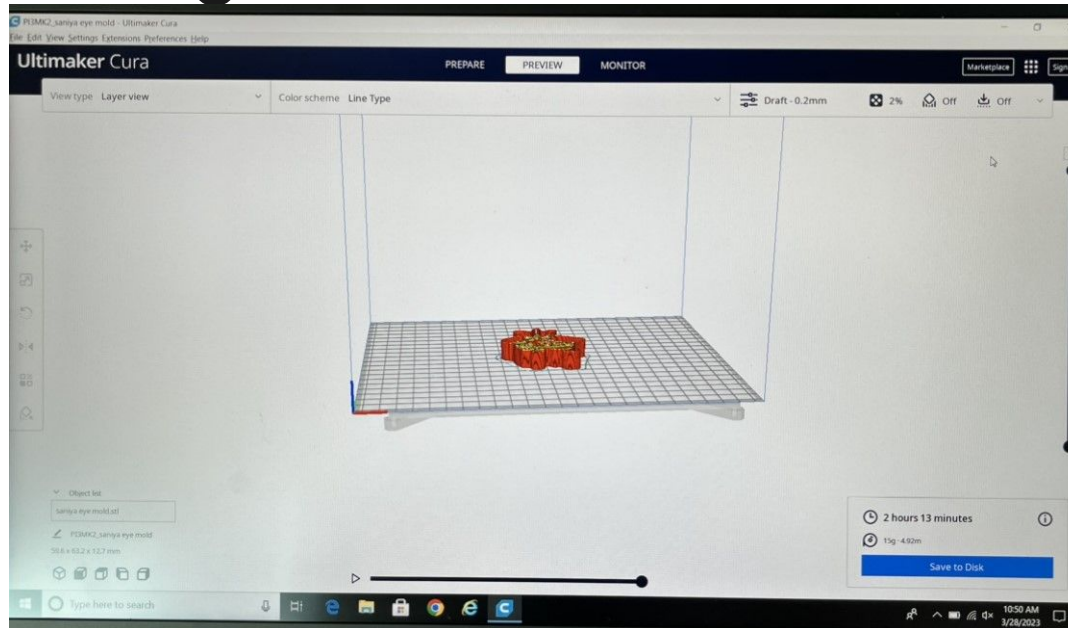
Height of mold wall(how  
tall)- .5 inches

Height of chocolate(how  
tall)- .4 inches

# Slicing Settings - Prepare Tab



# Slicing Settings - Preview Tab



## Final Mold Positive & Silicone Mold Pour





## Final Mold Positive & Silicone Mold





# Final Product! Chocolate!





# Final Solution

## Discussion

- What did you learn?
- What problems were encountered and how did you solve them?
- What was the most exciting thing you learned?
- If you were to do this again, what might you do differently?
- What is something you'd like to learn more about?
- What will you 3D print next?

I learned how the positive and negative works when it comes to mold making and a way to get air bubbles out of my pours. I encountered my first problem was picking a design. I had three design options: Two came from a couple of my favorite shows, and one was an original idea that I felt was a really cool drawing of a dripping eye with a crown. I was stuck because the eye was something that was kind of an accomplishment for me because I don't draw too good, but it actually came out okay. I solved this problem by asking people their opinions on the molds, and most people pointed out that the original idea would be a really cool design, but the clan symbol seemed more of a chocolate design. In the end I printed the clan symbol because it still help meaning for me and seemed like it would be a successful chocolate. The most exciting part in doing this was making the mold in onshape and the silicone part. If I were to do this again I would choose the eye design. I really like to be different and wish I would've done so with my design instead of choosing an expected design for chocolate. I would like to learn more about how decision making affects a designer's choice. Knowing me, I know there will be some random spyr of the moment idea that pops into my head, and I'll try to draw it out or save it some type of was to print int later, but as of right now I can't think of anything else I want to print right now.