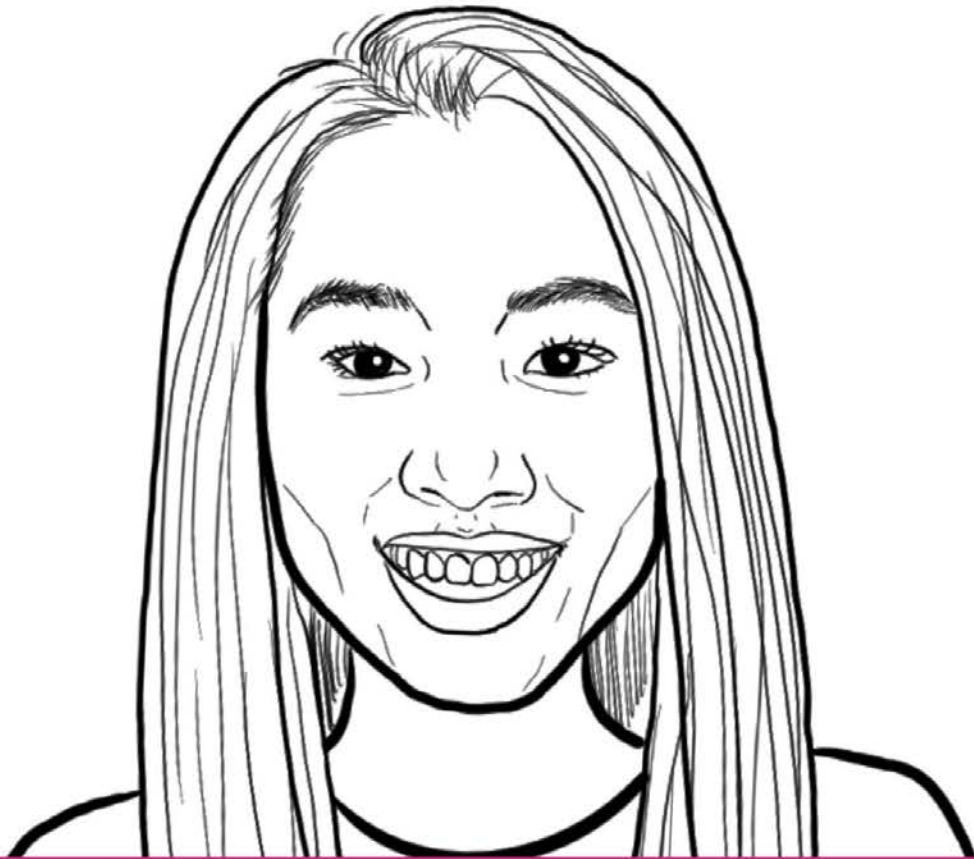




Jenna Si

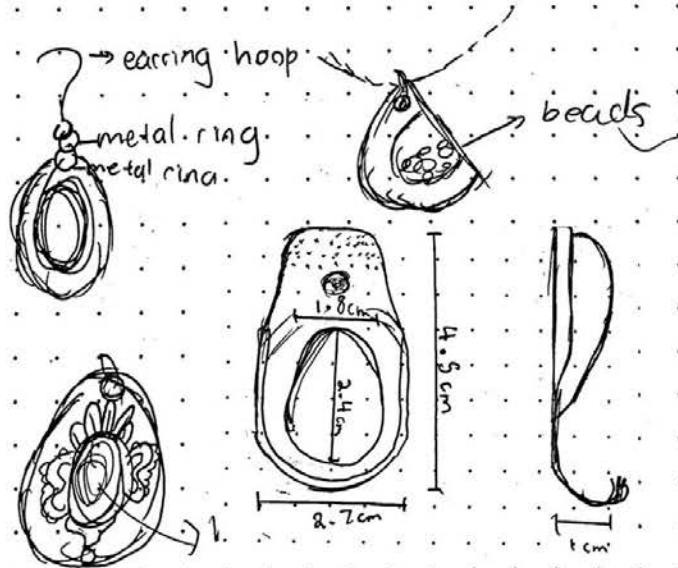
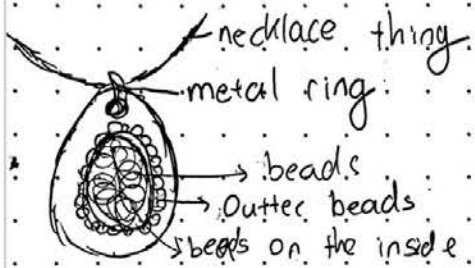
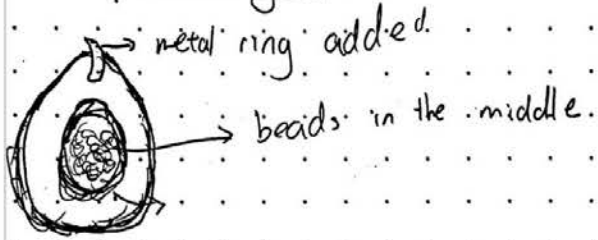
Carleton Industrial Design Portfolio

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Possible Designs

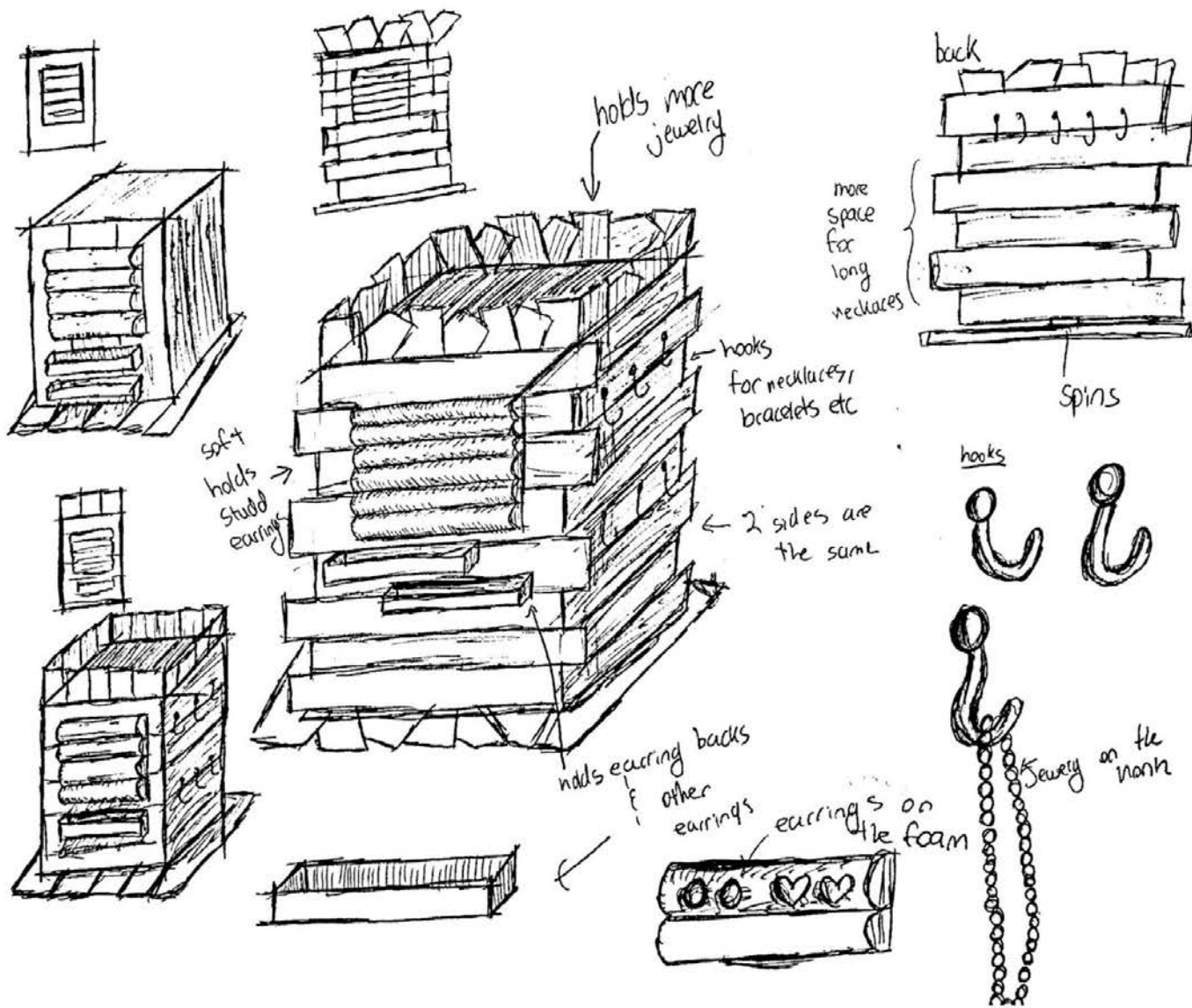


Before



Materials: plastic blisters, acrylic paint, jewellery glue, metal wire, various beads.

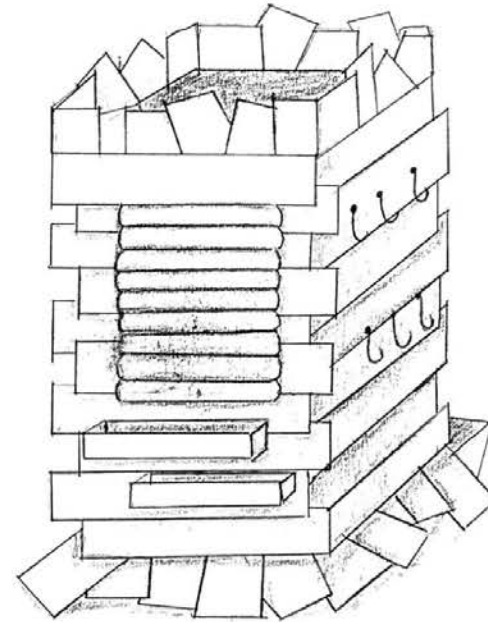
These necklace pendants were made using plastic packaging that held daily contact lenses. If contacts were worn daily, that would produce 730 plastic blisters each year. Since they are so small, recycling plants will often throw them away into the garbage. To prevent them from going into the garbage, I wanted to see if I could repurpose them. I enjoy making earrings, bracelets and necklaces, so I decided to create jewellery out of these plastic blisters.



I collected some 3D printed PLA plastic rectangles that were left over from someone's physics project. I had the idea of creating a jewelry holder out of them and this project is now in the making.

Final plan

Materials



Brainstorming the shape, functions and parts of the jewellery holder.

02

Jewellery Holder Concept

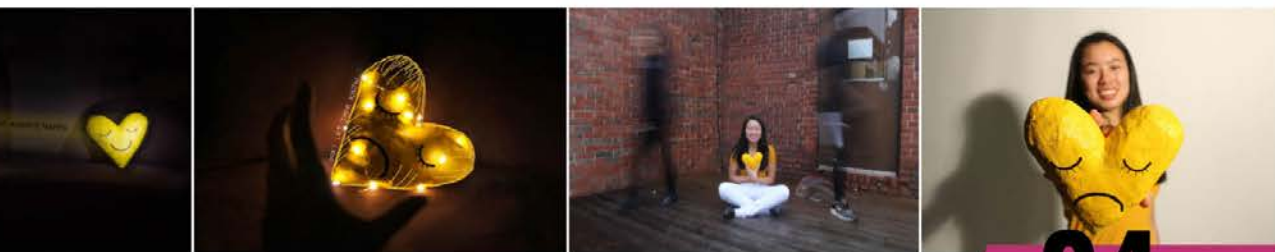
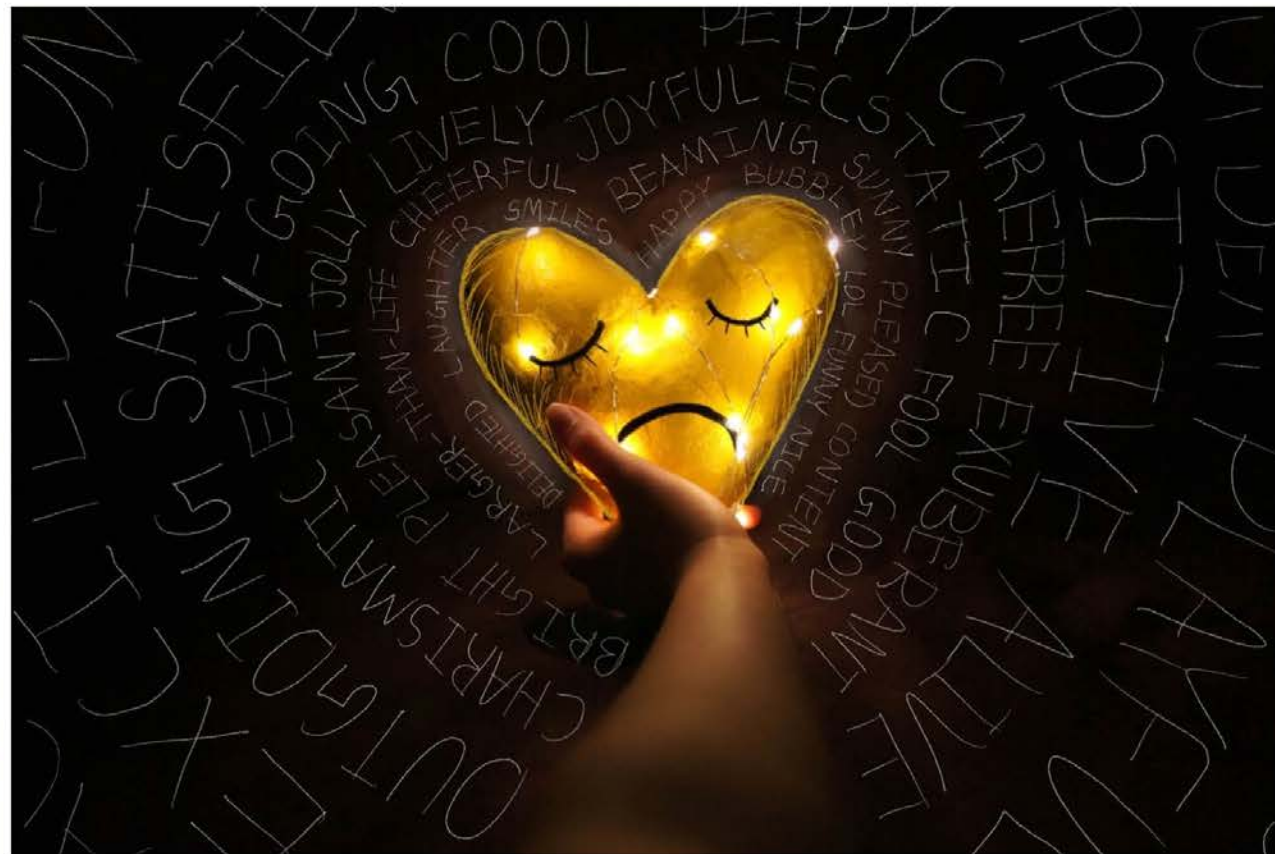


Materials: inkjet printable fabric sheets, cotton t-shirt, thread

This design was created using ProCreate. This design was inspired by the concern for orca whales in captivity. The toppled dorsal fin is due to the amount of stress they face. I drew an orca in a mason jar to illustrate how such a large animal is being forced in a small area. I added the price tag, because that is the amount per ticket at a popular marine park. The threading on the sleeves resembles the look of a fish net, which symbolizes the use of fishnets to capture the Orca whales.



Final Digital Design



In this project, I wanted to show how someone who seemed funny/happy, could feel unfulfilled on the inside. I created the heart using newspaper, tape, plaster and acrylic paint. After I took a photo of the heart, I used Procreate and Photoshop to edit the image. I played with a few image ideas, however my favourite image is the one shown in the middle of the page. In the image, the heart represents the inner feelings, and the words show how they are viewed by the people around them.

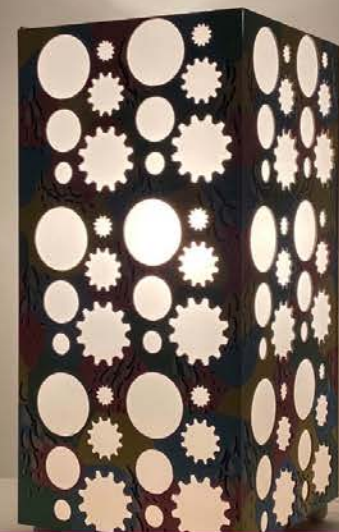
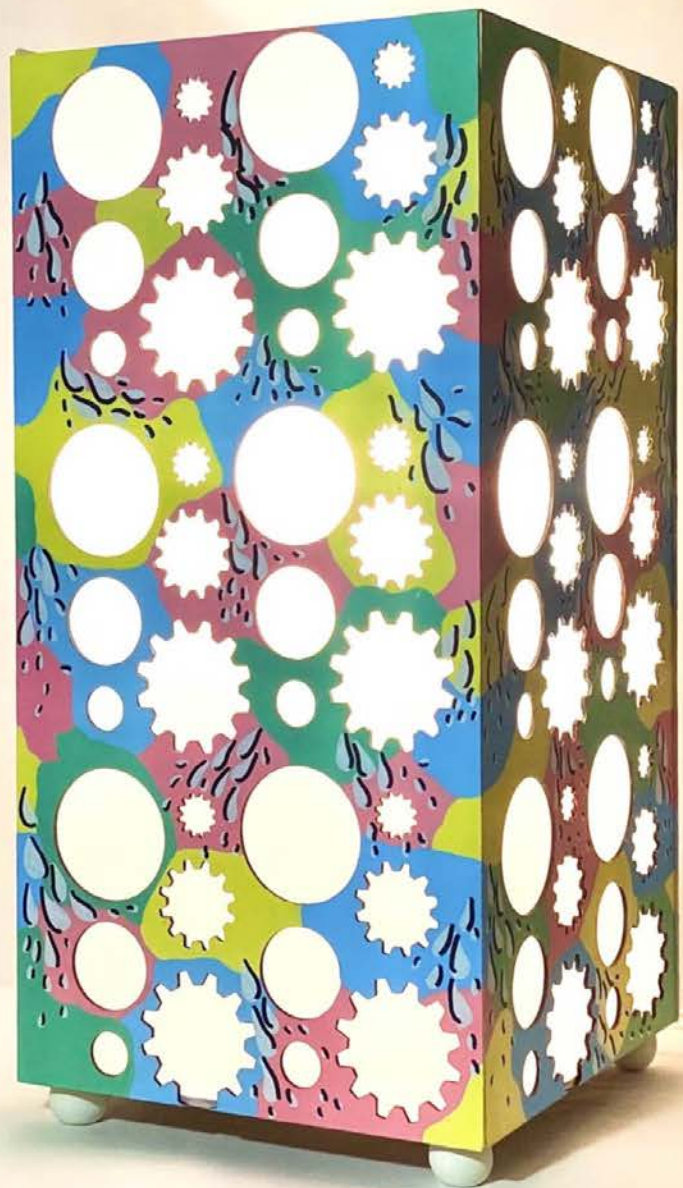


Materials: Acrylic on Canvas
Size: 18" x 14 "

This painting was inspired by my kitchen coffee table. The three coffee cups on the table are inspired by the coffee cups of my dad, mom and mine. I chose to paint this space because it is somewhere I feel happy and it is full of memories. My parents and I will often have coffee here, talk and relax, and it is a time I really enjoy. I chose to make the outside more abstract to show that sometimes it is good to forget about the outside, and to enjoy the moment going on inside.

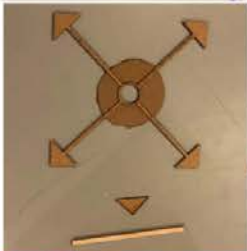
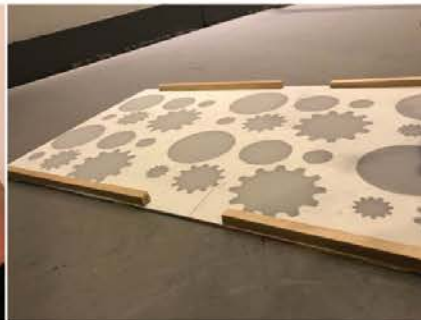
The past summer, I was able to practice making ceramics and use the pottery wheel for the first time. I experimented with different shapes and created different patterns by pressing different fabrics and plastic placemats into the clay.





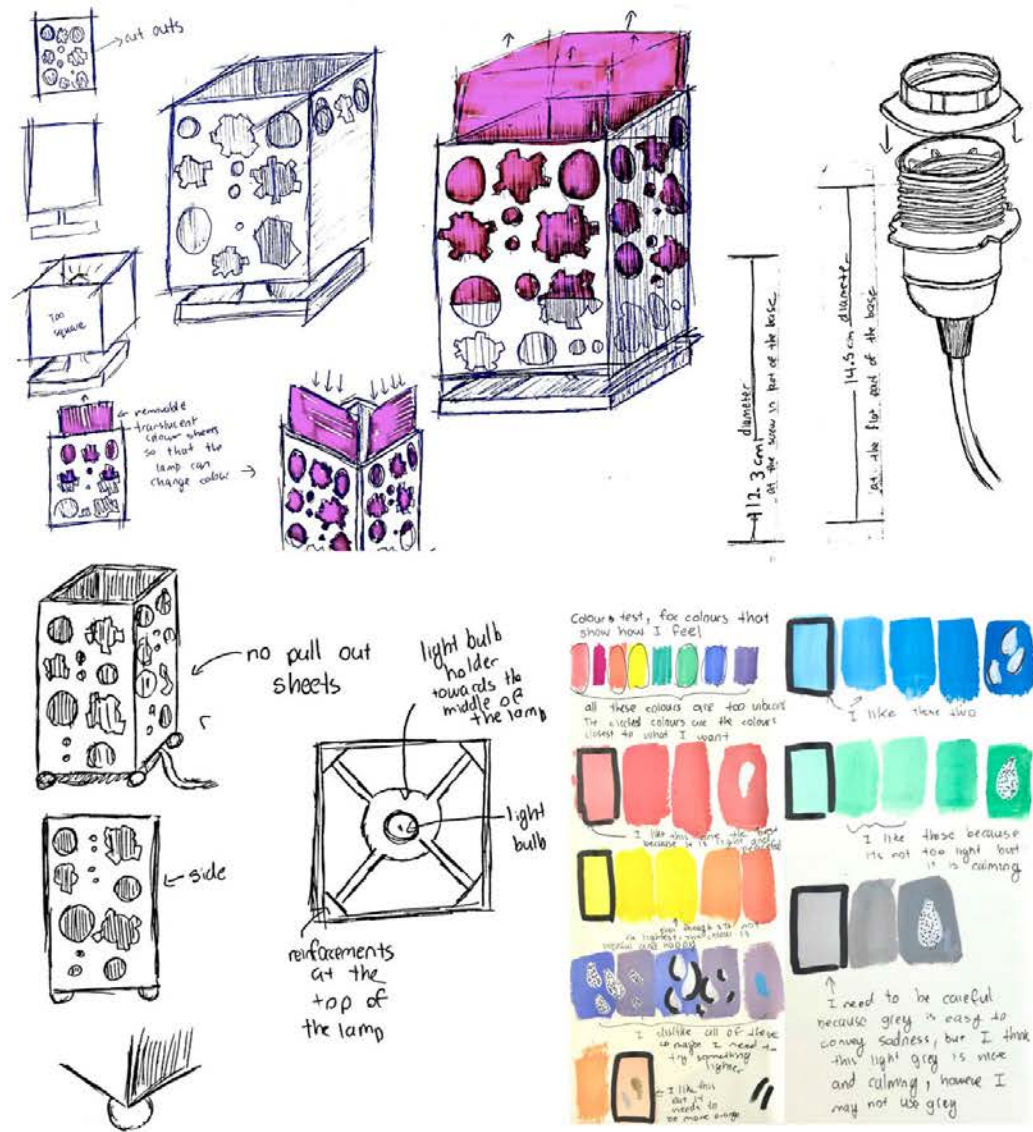
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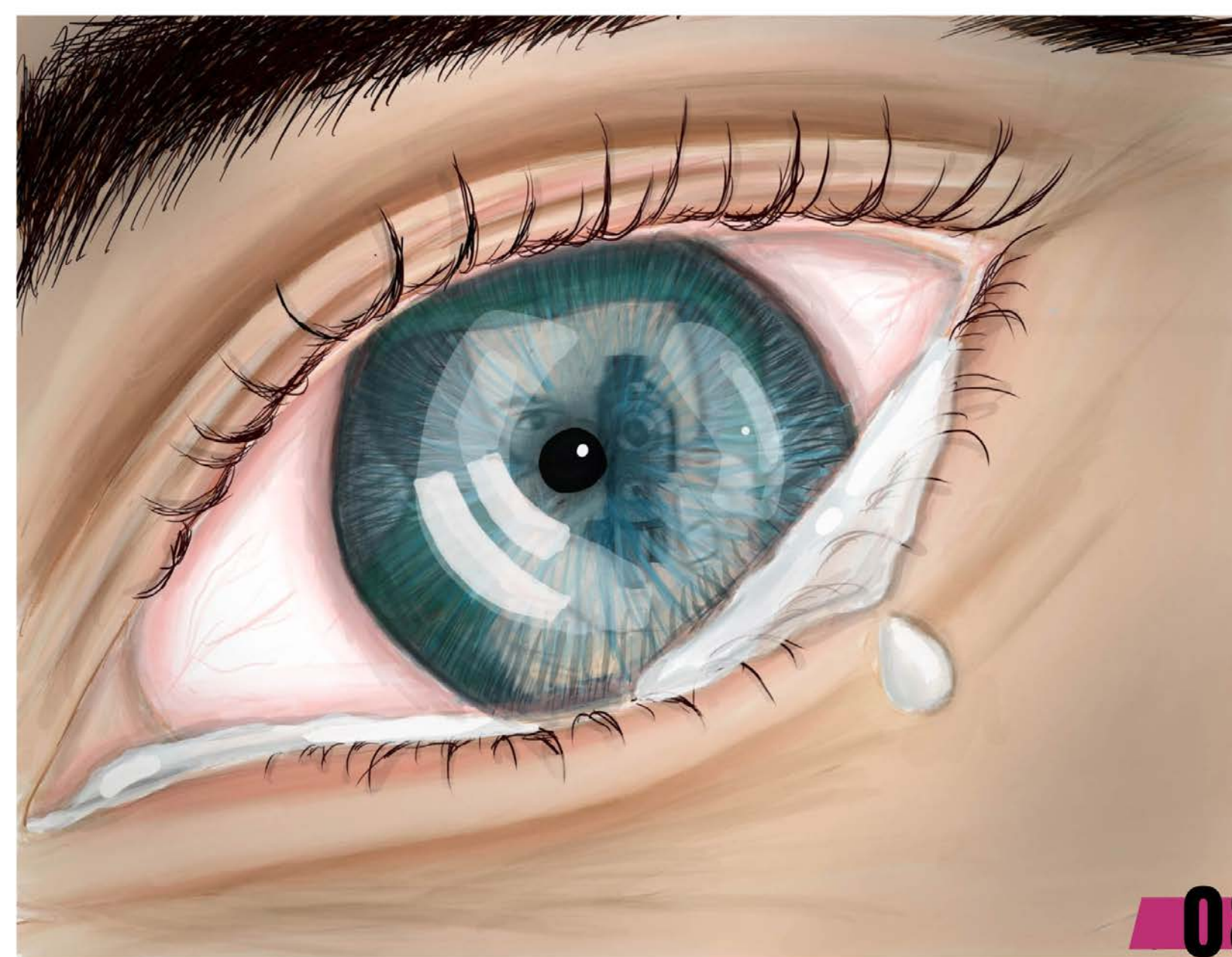
Good Morning Lamp



I found left over wood that had cut outs done using a laser cutter in my school's design lab. They were going to be thrown out so I wanted to repurpose them. The pattern of the wood really caught my attention. The cut outs were shaped like gears and circles. The size of the shapes varied and covered most of the wood. I named this lamp *Good Morning* because my intention was to create a lamp that would evoke a happy feeling, like the feeling of waking up on a weekend morning.

In my initial plan, I wanted the lamp to have interchangeable coloured filters, so that the lamp could be customizable. However, I decided not to do that. I also wanted my lamp to be able to fit into different rooms in a house so I decided on a rectangular shape. I used a light socket from IKEA. I measured the circumference of the bottom component of the socket to determine the size of the structure I needed to create in order to hold the light bulb socket in my lamp. To create the socket holder I used illustrator.





Media: Digital Drawing
using Procreate

This image is entitled *Lockdown Situation* because it reflects the terror that many students have faced in recent years. This image is meant to reflect the fear for our safety. In the iris of the eye, there is a reflection of a man with a gun, pointed towards the eye, which is why the subject is in tears. I also made the pupil a small size and added some redness to the eye to show the distress the subject is in.

Materials: paper, eraser, shader tool, 2B and 6B graphite pencil, 0.5 mm pen



30 mins



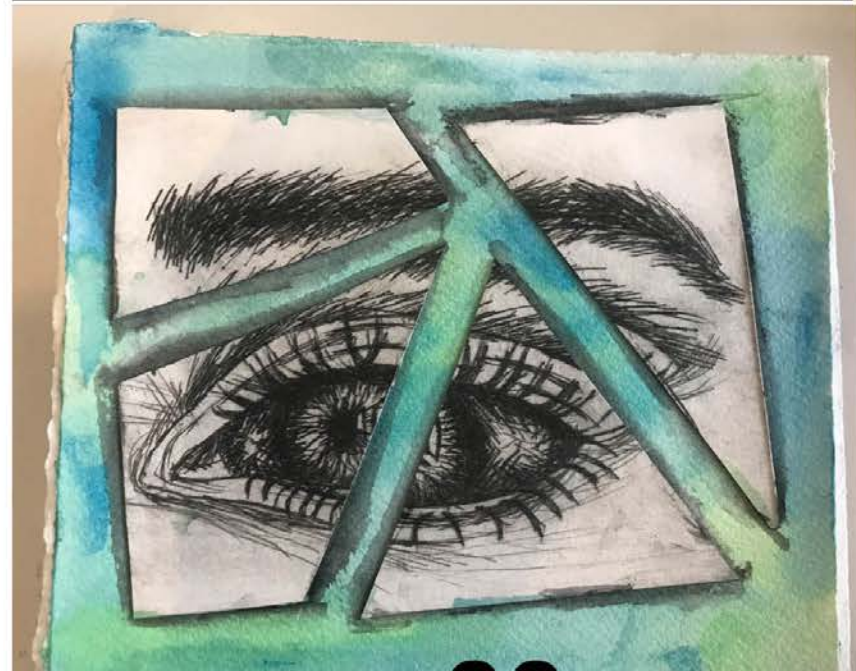
30 mins



Windows

Media: Intaglio printing and watercolour

The title of these intaglio prints is *Windows*, inspired by the saying "eyes are the windows to the soul". By using watercolours, I wanted the eyes to feel as if each one belonged to a different soul with a different story to tell.



09

Free Hand Drawings + Windows



Materials: Styrofoam Cups

This was an exploration of styrofoam using only two styrofoam cups. Using only two cups challenged me to use the material wisely. Though this is only an exploration, this sculpture could potentially inspire an idea for a light fixture, vase or toy.



Media: Watercolour on Paper
Size: 24" x 18"

This piece was inspired by songs. The colours were chosen according to how the melody and the lyrics of the song made me feel. When creating this piece, I tried not to overthink it, and I let my hand guide me. The first song starts at the hands and the last song ends in the head. The titles and artists of the songs that were used are written on the piece where I began to listen to the song.



Materials: acrylic paint, canvas, cardboard, glue

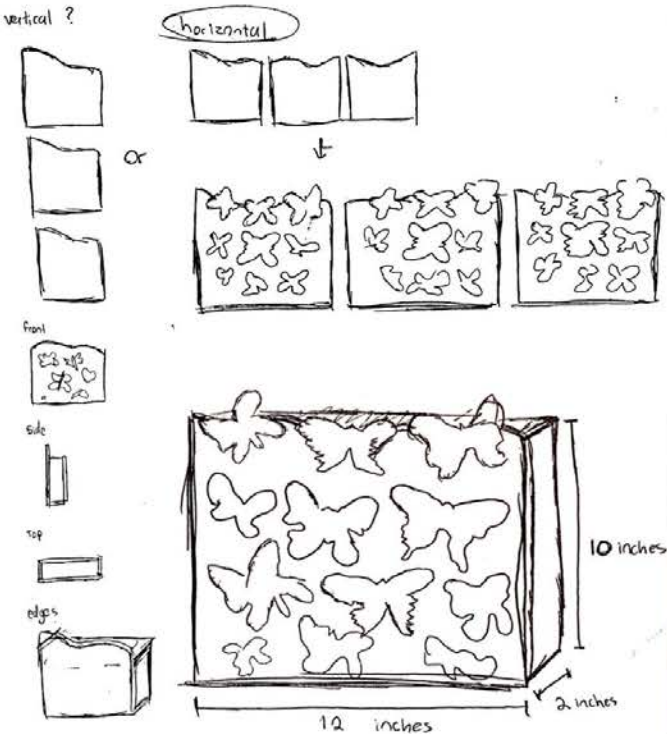
This painting represents a journey or path of becoming happy. The path begins from the bottom and ends at the top. The bottom is darker to represent difficulty and confusion at the beginning of the path, which is also represented by the road signs. The caterpillars at the bottom also represent the beginning of the journey. As the painting becomes brighter, the caterpillars turn into butterflies.

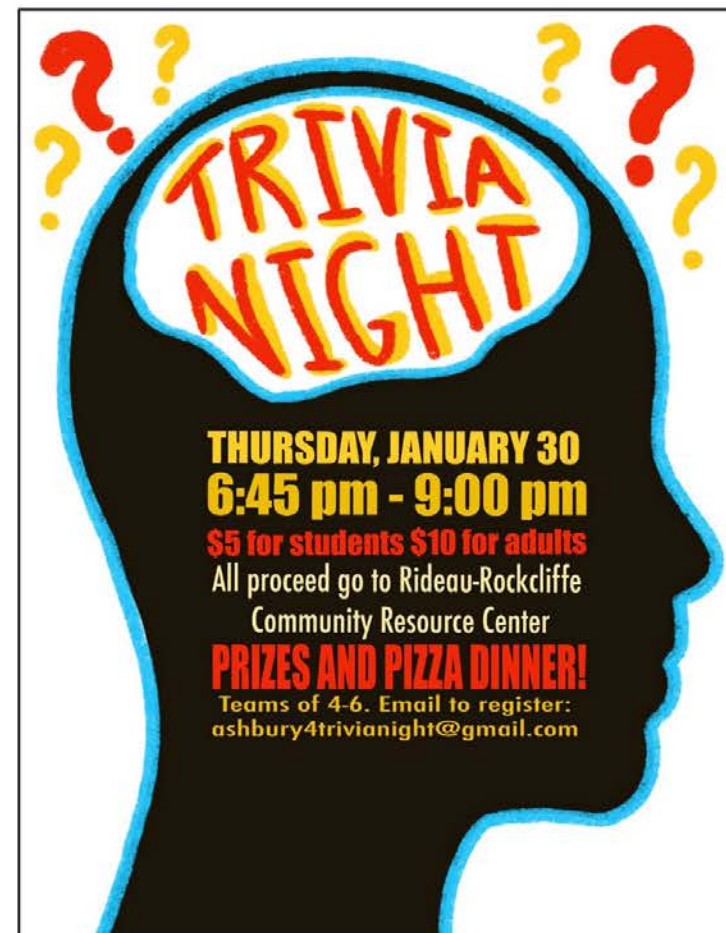
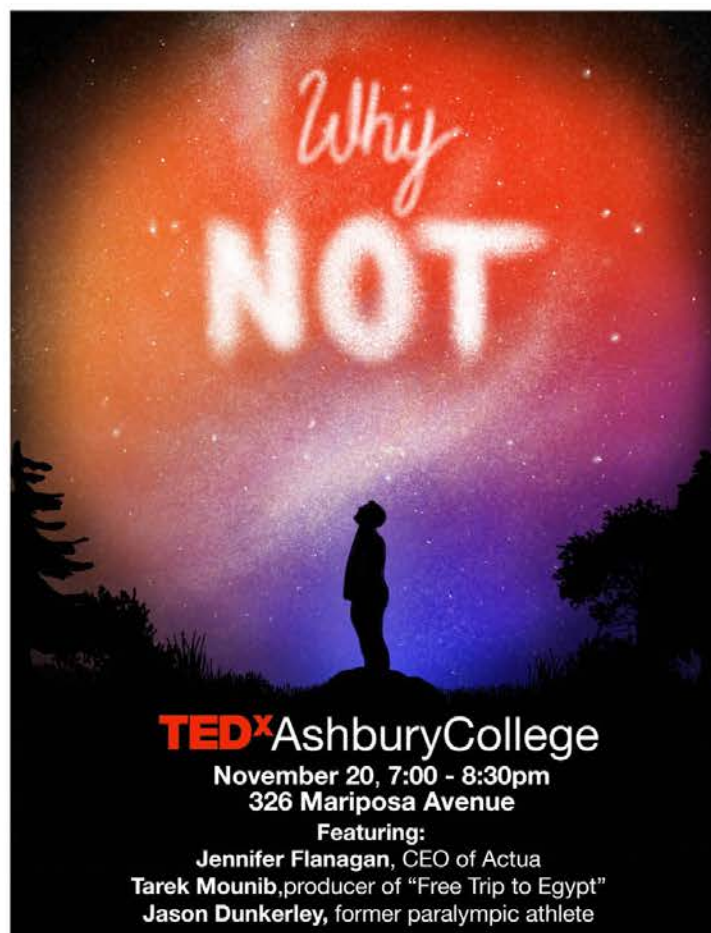




Materials: wood, scrap paper, foam board, gorilla glue, hot glue

These file holders were made out of recycled paper from my school's art room, and recycled wood from the laser cutter. I loved the shape of the butterflies and I wanted to create a decor piece that could also double as holders for loose papers. First, I had to cut and sand the top edges of the wood. I wanted to create a curved edge that would continue through the three file holders. I traced the shape of the butterflies out onto the paper, cut them and then glued them into the spaces in the wood. I coloured and polished the wood to make it darker and shinier to contrast the bright paper.





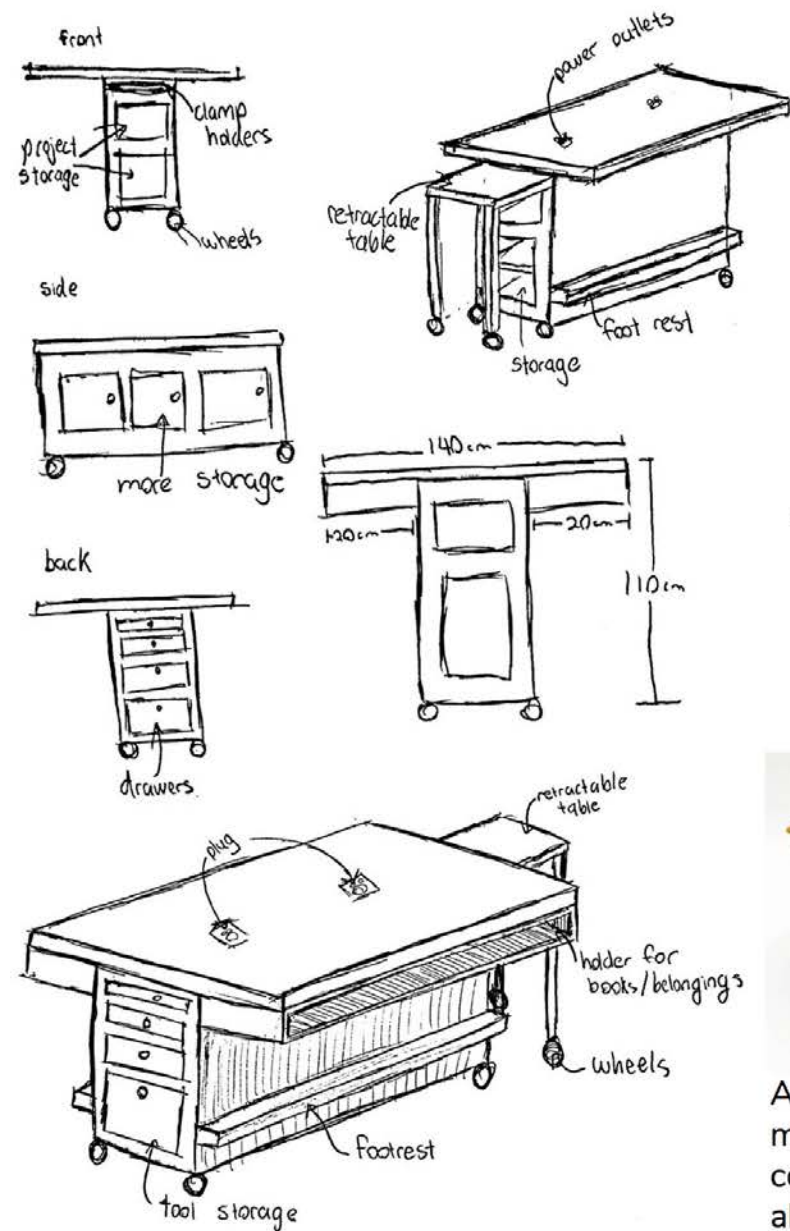
The past year, I had the opportunity to design various posters for events at my school. Creating posters challenged me to show the mood of the event through graphic design, and to organize all the needed information in an eye catching way. Each of these posters were created digitally using Procreate and Photoshop and the size of each poster was 8.5" x 11".

Media: Digital Drawing

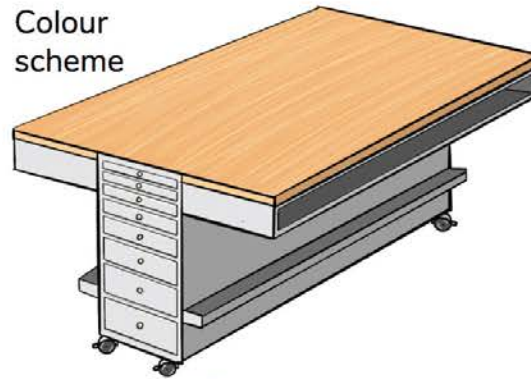


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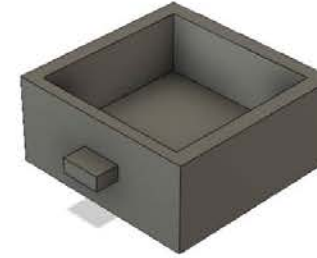
Workshop Table Concept



Colour scheme



Created using Fusion 360



After the model was painted. I liked the unpainted model more because of the cleaner edges. The bright colours also remind me that furniture doesn't always have to be neutral colours.

This workshop table was intended to be created for a highschool design lab. I wanted the table to be multifunctional.

I designed lots of project storage and tool storage spaces on the front and back of the table. The drawers vary in size to accommodate different tools. For comfort I added a foot rest and made the table a height that would be comfortable to stand and sit at with a stool. I also added book holders so students could store binders, laptops etc instead of it taking up space on the table. On one side, there is a pull out table that can be used when more space is needed, or tucked away. There is also a bar on one side of the table to hold clamps that can be used when making a project.

This table was 3D printed it. Only one drawer was modelled to get a feel for the overall look of the design.