

Student 2: High Merit

Intended for teacher use only

Your outcome is very well made.
 All steps were completed accurately -
 this is particularly impressive given the amount of pieces
 you had to integrate piece. There was quite a lot you **1**
 needed to figure out yourself. I was able to let you get
 on with certain steps with minimal support from me.
 You were impressive throughout the construction of
 your outcome.

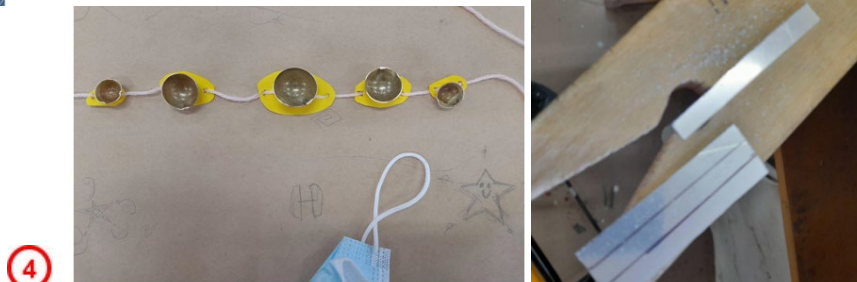


I annealed the metal before placing it in a vice. In my tests i formed the ellipse shape with firm tweezers which while I heated it up, it became soft and squished. I found that using a vice was easier to control and gave me a more consistent repeatable product as I didn't have to leave it up to chance, I could take it slower and adjust when necessary to keep it symmetrical.

I did a practice test for the ribbon to make sure that my method is repeatable. I decided to use plate silver which is stronger than fine silver so it wouldn't break when integrated into a chain. I found that it was hard to work with thick plate and it gave a clunky form so it would be easier and better to use thinner plate. I also found it would be much easier to work with a longer piece over a shorter one, so I cut my pieces longer than needed and could cut them back to size. This also reduced uncertainties as it was hard to accurately measure the curved forms, so it was more reliable to be safer at the cost of some extra silver. I also need to pad the pliers with tape so that they wouldn't munt the silver as it was worked. Another benefit of the test is that I could work out a consistent formula with steps to streamline the process and to make sure they are all consistent, which is important when integrating as I want it to be symmetrical and for the ends to align around the domes. Also creating a production line of steps increases efficiency when doing anything in multiples **2**



Preparing the brass for working. I measured out the sizes a few millimeters larger than needed to account for error, and cut them into a single square which would waste the least material. I cut it out with bench shear in the corner so i could get it against the edge which would tessellate better. Before rolling out, I cleaned the rollers from iron rust which would dirty the piece and could react in the pickle to form a pink metal layer. Before rolling I needed to aneel it to make it more malleable which would decrease the amount of rolling I would have to do. I rolled out so that I could get more out of the material to save cost and make it thinner which would look nicer/ be less clunky, would be easier to work and dome using the doming tool.



Final construction plan:

1. Preparation of domes:

- Cut out sheet
- Roll sheets
- Cut sheets
- Dome sheets
- Trim
- Squash

2. Preparation of ribbons:

- Production line
- Cut
- Shape
- refine

3. Solder together

- Clean up edges/clean
- Solder together ribbons
- Solder onto domes

4. Create chain:

- Cut rods
- Cut jump rings
- Create clasp
- Solder rings to rods

5. Integrate pieces

- Cut more rings
- Create clasp
- Solder rings linking domes together
- Solder rings linking domes and chain
- Solder clasp to chain

6. Resin:

- Prepare mould
- Prepare space
- Place mould in domes
- Fill with resin



3

Making sure the pieces were snug before soldering. I spent a lot of time filing and adjusting the edges of the ribbons so that they fit and will make a good solder connection while constantly comparing to my reference model. I decided to solder the ribbons together first and then the dome as it would be easier to integrate together and make them aligned and flush, rather than going directly into the dome which is much more permanent and difficult to align.



Before I could do the resin, I had to make sure that the rest of my piece would be fully integrated and finished. I found that using a wire brush gave me a finish that I liked that was a good compromise between it being completely unrefined and while not being over the top which goes with the themes of decay. I did want the insides of the dome to be as polished as possible so that they would capture more light and light up the mould encased and allow it to pop.

3



6