Stamp Project Reflection Trevor Godkin

To create this stamp, Mr. Cribbs made a youtube tutorial on how to design it on Fusion. We started by just simply sketching two circles. We then extruded them outwards so it looked like a very generic stamp at this point. I was then instructed to use a command called fit point spline that I haven't used before, but it was very helpful. The command essentially lets you draw curved lines on a sketch plane. For this project I used it to give the handle of my stamp some curve. I did this by using the fit point spline to sketch a curved line that ended at the handle. I then finished the sketch and used the revolve command to revolve the sketch around the handle. Finally I sketched my initials into the top of the sketch and extruded them out slightly so they were flush with the bottom of my stamp. I finished this design on time without any issues and I feel like I did very well designing it. For those coming after me I advise to make sure you have a curve that is not too steep as to make sure the 3D printer can print it.

To fabricate my stamp I used the 3D print command in Fusion and uploaded the stl file to my computer. I then downloaded the file into Prusa Slicer so I could get my stamp ready to print. Since Prusa Slicer works in Since the Prusa Slicer measurement system works in millimeters, so I used a millimeter to inches calculator I found on google to find what the dimensions of my project are in millimeters. For the finishing touches I set my infill percentage to 20% and hit export g code. I then downloaded the g code onto the chip that goes into the 3D printer using an adapter. I then took it out of my computer and put it into the 3D printer. I was then able to find my project on the printer and hit start. I accidentally forgot about my project while I was eating lunch and ended up leaving it over the weekend. Next time I will set a reminder on my phone so I can remember to pick up my project, and I would advise others coming after me to do the same.