

For the Box Project, we were required to design and cut out pieces of a box on wood that we would eventually fit together with glue. It could not be bigger than 12 x 12 in. The design for this project was very, very easy because I did not have to create the puzzle pieces of the box. We used a website called MakerCase that allowed us to put in the dimensions of the box we desired and it gave us the stl file to put into Inkscape. My personal box was designed to hold cards for a game that my friends and I play, so to decorate it I converted to bitmap multiple images that have significance in the game. While I was decorating the box in Inkscape, I enlarged the lines around the box so that I could see them better. This turned out to be a big mistake, because when it was made into a new stl file the size of the lines were much larger than they appeared in Inkscape. A simple Ctrl Z was enough to fix that error.

The cutting process turned out to be a major test of patience for me, as I failed multiple times in cutting out my box. This was not only because of where I was cutting, but also how I was cutting. In the end, I had to use a fresh piece of wood and I had to cut out the pieces twice for it to finally go through the wood. After multiple days and a 2 hour session with the laser cutter, I was finally done.