

## ***Week 7***

This week, I played around with the scanning an object with the digitizer. I brought a few items to attempt a scan: a small Eiffel Tower, a dark metal elephant, and a small replica of the Leaning Tower of Pisa. The success of the scan depends quite a bit on the object's color.

I first had to calibrate the turntable and the lasers on the digitizer to ensure that it was ready to scan. Luckily, I was able to reference the instruction manual, as well as follow the step-by-step guide prompts from Makerbot. This was a little intimidating, only because it was an object that I have never used before, and a process that I have never attempted before either. However, it was actually rather easy.

After the calibration was complete, I scanned the Pisa replica, which took about 9 minutes of scanning time. I exported it for print, but unfortunately, only about 10 minutes into the printing process, the filament jammed. Although this was an easy fix, it was still frustrating.

Next, I tried to scan the Eiffel Tower. Unfortunately, this object did not scan well at all. The overall shape somewhat resembled an Eiffel Tower, but it was very warped, and was not suitable for printing. This may have been in part to the size of the object, or it's color. In either case, I chose not to save the scan for printing. I did not attempt to scan the elephant that I had brought along with me in fears that it would be too dark for the lasers to properly recognize.

Overall, the scan of the Pisa replica turned out surprisingly well, especially for a 9 minute scan.

