Lena Freeman
Comparative Tech
Project Proposal

3D Printing

Introduction

For this term's project, I will be working towards a basic knowledge of 3D printing. I believe that this technology, while still considered a relatively new development, represents incredible potential for the future of the arts. With the availability free online software, public technology labs, and makerspaces this technology is quickly becoming a staple in today's society. I feel that learning this new platform will offer me the opportunity to become more well-versed in the realm of arts and media.

Project Description

Currently, I am still defining how I will approach this project. Ideally, my final outcome will be the ability to create 3D models that will be printed successfully. This process will require becoming familiar with new software such as SketchUp, Autodesk 123d Design, Meshmixer and Maya. This process will also require the ability to troubleshoot issues with my 3D designs, and to have the knowledge on how to fix these issues.

To gain this knowledge, I will be enlisting the help of Eric's students at Cal Young Middle School to serve as my mentors. In addition, I will also be researching on my own through the use of web tutorials, YouTube videos, and Eric's tutorials and curriculum (found on blogs.4j.lane/schiff) to strengthen my knowledge of 3D printing.

Project Goals

- To become well-versed in 3D printing software, with the ability to troubleshoot issues with designs.
- To create successful 3D printed objects
- To expand my knowledge of the integration of technology and the arts.

Projected Timeline

Week 2: Drafted Proposal. Cal Young Middle School visit

Week 3: Research Autodesk 123d Design, Sketchup, Meshmixer, and Maya. Download at least one software to begin familiarizing with.

Week 4: Start designing.

Week 5: Start printing?

Week 6: Start creating more complex projects?

Week 7: TBD

Week 8: TBD

Week 9: TBD

Week 10: To be able to present objects that I was able create through my newly gained knowledge.