

## Self Evaluation

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The project as a whole went really well. I managed to gather all the materials I needed to make my artefact.

The most challenging thing about the process was getting the artefact to work. I had to do a lot of experiments and adjust the web cam on several occasions. The main problem I faced was getting it to work in daylight because I discovered that my LED gloves work best when the lighting is not very bright. I tried to solve the problem by adding black cardboard around my laptop and adjusting the lighting. I also had trouble getting the LED key chains to stay in the ping pong balls. I solved this problem by using a glue gun. It was far more superior to using super glue. I enjoyed visiting Kinetica museum as part of my research and I managed to gather some very interesting ideas.

The software I used was Sketch Up and Google Earth. Sketch Up was really easy for me to use because it is a powerful yet easy to learn 3D software. It combines a simple, yet robust tool set with an intelligent drawing system that streamlines and simplifies 3D design. From simple to complex, conceptual to realistic, SketchUp enables me to build and modify 3D models quickly and easily. If I use Google Earth, SketchUp allows me to place my models using real world coordinates and share them with the world using the Google 3D Warehouse.

Google Earth is a complex application representing two and three dimensional data, vector data, integer and real numbers, and a variety of geometric projections. The imagery comes from a variety of sources and the processing of the imagery is done both by machine and humans.

Most land areas are covered in satellite imagery with a resolution of about 15 m per pixel. Some population centres are also covered by aircraft imagery with several pixels per meter.

If I was to do this project again, I wouldn't change anything about it. What I learnt from my project was that making equipment can be fun and it can also be a learning experience.

I feel that I put a lot of effort into the work. I especially made sure that everything was working perfectly and that the results were consistent.

During the module I learnt that I am very hardworking and able to work under pressure to meet deadlines. I am also willing to learn and face any challenges.

Fabrication / Making Skills - 10  
Contextual Awareness - 10  
Synthesis of etude material in final work- 10  
Critical Analysis of subject - 10  
Creativity, originality and innovation - 10  
Application of theory to practice - 10  
Technical Development - 10  
Rationality & Realisation - 10  
Organisation & Time-planning - 10  
Presentation & Documentation- 10