



Product Proposal – Senior Capstone Career Project

Student Name: _____ Michael Gray _____

Senior Project English teacher: _____ Mrs. Chambers _____

Date: August 13, 2017

Designated Timeline: **Yearlong**

Focus: Career

1. What is your product? In other words, what will you actually produce? What will be the end result of the application of the skills you acquire? Will you produce a tangible product, such as a piece of furniture or a set of blueprints? Will you use your skills to produce an intangible product, such as an event, a performance, a certification, a donation), service to the community, or a combination of these? Will you produce notes from a job shadowing or internship experience in a composition notebook? How does this project represent your career goals?

My product will be a finalized 3D printed lacrosse head. It will only be a prototype of what an injection molded head would look like. This project will represent my career goals by allowing me to produce a product much like the ones I could produce in 3D modeling.

2. Is your project a capstone project, a career-related project, or both?

This project would be a career related project. I would like to get into 3D modeling and engineering as my career one day. This project would help further my knowledge of this career and what it would take to get into it and what all I would be doing.

3. What skills will you develop during the course of you Senior Capstone Career Project? List three or more skills specific to your project.

The skills that I will acquire completing this project will be tools in Inventor that I have to learn in it. Also, I will learn how research and development will work because of how I will be producing the head by looking at many other designs and see what works out best along with making multiple drafts and designs for the head. Another skill that I will pick up is modeling using more detailed way to cut and make holes and grooves in the program. I also plan on learning how to more effectively transfer over sketches into the actual program.

4. How will you use these skills in the future? You must explain how these skills will serve you in a future career and/or endeavor.

I will use the skills I have and will acquire to benefit me in 3D modeling. These skills will help me to quickly learn the other programs they could have me use to complete the projects given to me. These skills will also help me transfer my knowledge to any project my future employer could have me take on.

5. Why have you chosen this product?

I have chosen this product because I play lacrosse for the high school. I very much enjoy the sport and would like to see what it takes to create products for this sport. On top of that I have an interest in 3D modeling and would like to be a 3D modeler and designer one day.

6. What previous experience or prior knowledge do you have that relates to your Senior Capstone Career Project?

My previous experience in this field is that I have taken one year of Survey of Engineering Graphics. I have an idea of what this requires to produce my final product, but there are still skills to learn.

7. How will you acquire the skills necessary to produce your product?

I will acquire skills for this project through my facilitator. Since he teaches a class that involves this type of software and skills, he will be helpful in learning for this. I plan on meeting with my facilitator at least once per month for about an hour or so. I will also do research on my own to learn skills necessary to reach the final product.

8. Who is your project facilitator? What education and/or experience does he or she have that will help you acquire the skills you intend to develop through your Senior Career Capstone Project? Attach his or her business card to the front of your proposal if he or she has one.

Brad Mann will be my project facilitator. He is a teacher at Dean Rusk Middle School. My facilitator has a degree in teaching and has been teaching for over twenty years now in all the main subjects. He teaches the technology and science class for at least two years; therefore, he has experience and knowledge regarding what my project is about. We plan to meet at least once a month for about an hour or however long we have planned for that day.