**Physical Model**

Once the optimized values are calculated, you will use these calculations to design and create a physical model of your product. You do not need to use the exact materials of your product and it can be scaled down if size is an issue. Measurements must be included on your model, either written on each component or included on a key/legend that goes with your model. This model should be referenced during your presentation to help give your peer feedback group a 3D visual as you explain your calculations and analysis.

**Final Product Outline**

1. Problem Statement
2. Diagram
3. Graph of Optimization
4. Relationship of Variables Analysis
5. Action Plan Steps
6. Graph of Optimization Equation and its Derivative
7. Analysis

**Types of Presentations**

When the project is finalized, you will present your work to your Peer Feedback Group. You should choose a type of presentation that you feel will best communicate your process. A few types of presentations are listed below, additional ideas may be allowed with teacher approval.

*Presentation:* This can be done through Powerpoint, Prezi, or a Google slideshow. Your presentation should include relevant steps from your solution and visual aids to clarify the variables in your system.

*Poster:* Posters can include relevant diagrams alongside the steps from your action plan and graphs of the optimization function and its derivative. This poster should help bring clarity to your presentation and should be referenced as you explain your solution.

*Video:* If you don’t want to present live, you can make a video where you explain your solution. Include visuals either as drawn posters or animation to diagram the problem and show the graphs.