**Digital Engineering Portfolio**

You may need to create an Engineering Portfolio as a grade that you will use as a presentation for your teacher. I will provide some guidelines for you to follow as you create new entries in your portfolio. There is two web development sites I would recommend, they is <http://www.weebly.com/> and [sites.google.com](http://sites.google.com). I have also provided a PowerPoint based template that you may view if you choose to do that instead.

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| File Size: | 152 kb |
| File Type: | ppt |

**Requirements:**  
Problem/Constraints - statement  
Brainstorming – pics + description  
Documentation - pics + description  
Final Results - pics + full description (3-5 paragraphs)  
Reflection - 1-2 paragraphs

**Portfolio Minimum Requirements:**

Title page / BiographyTable of Contents - this will link to other projects or classes in your portfolio.

**Projects will include:**Project Title - descriptive art / pics / etc.

**Problem Statement / Constraints**

*What exactly is the problem?*

*What are the measurable things a new design would have to accomplish (in order of importance) to be seen as a real solution?*  
**Brainstorming / First Ideas**     *What brainstorming or idea generations techniques did I/we use to help define possible solutions and how can I/ we show that I/we kept all of the design requirements in mind throughout the entire process?   
    What was the best solution to try and why was it the best solution to try?* **Calculations / Documentation**    *Add any calculations or supporting documents, i.e. drawing sheets, final design sketches, cad drawings, truth tables, etc. You should make sure that you are adding pictures of the documentation as well as any calculations. Be sure to describe what it is that the viewer is looking at.* **Final Design**    *Drawing sheets, cad drawings, exploded views, assembled view, Isometric view, annotations, etc. Be sure to include detailed descriptions of how the project works. This final description should be 3-5 paragraphs in length for normal duration projects. Think about describing this project to someone who has no idea what it is.* **Reflection**    *If I/we were going to do this project over, what should be done differently during the design process to improve the project and how would those recommendations make the project better overall? This should be 1-2 paragraphs in length. It should display adequate thought and processing of the project as a whole.*