



Design Engineering

FSF

Name: _____

Fall Semester Final

Part 1: Take-home Essay

50 pts possible

Write a well-developed essay from the prompt below. Your essay should be approximately 1000 words (about 4 pages), double-spaced, titled, and well edited. Use a 10 or 12 pt standard font in black ink. This essay is due no later than the beginning of the fall semester final exam for this class.

Writing Situation:

We have had an exciting first semester. You successfully applied for a grant from MIT to fund your invention and have researched water quality issues. In addition we have explored topics in team organization and project management as well as digital electronics and microcontrollers. You have already benefited from this opportunity in several ways such as school recognition and greater self-confidence. You can expect continued benefits such as a trip to visit MIT and Letters of National Significance for your college applications. However, you should be able to extend this list in more personal terms.

Writing Prompt:

Write a well-developed essay (first or third person) in which you essentially answer the question:

In what ways has this semester been useful to you?

In your essay, support your answer as follows:

- Discuss in detail the major topics of study in class this semester.
- Describe the significance of each major event, step, or accomplishment. This should include such things as: completing the grant proposal, learning about microcontrollers, & making the school board presentation, for a few examples.
- What benefits have you already reaped and what benefits do you anticipate?
- In what ways do you expect this to affect your future?
- How do you plan to capitalize on your participation in this class/project after you finish the course in June; how will you capitalize on what you have learned?