

Designing Solutions
Midterm Project Grading Rubric

1. Proposal #1

- a. ___ Did you provide a succinct title for your project proposal?
- b. ___ Did you further clarify the nature/scope of your proposal or the problem that you hope to solve?
- c. ___ Did you provide at least one valid reason for working on this problem?
- d. ___ Did you describe who might benefit from this problem being solved?
- e. ___ Prior art -- Did you provide at least two examples representing research, knowledge, or technology that relates to this problem? You may think of the "prior art" as the "givens" in the problem that you are trying to solve. The prior art is the shoulders of the people who came before you – that you may choose to stand on.
- f. ___ Did you include a labeled sketch of one possible solution to your problem? (think of this as one hypothesis).
- g. ___ Does the basic concept behind your sketch make sense?
- h. ___ Along with your sketch, did you include a brief description of how the invention works?

2. Proposal #2

- a. ___ Did you provide a succinct title for your project proposal?
- b. ___ Did you further clarify the nature/scope of your proposal or the problem that you hope to solve?
- c. ___ Did you provide at least one valid reason for working on this problem?
- d. ___ Did you describe who might benefit from this problem being solved?
- e. ___ Prior art -- Did you provide at least two examples representing research, knowledge, or technology that relates to this problem? You may think of the "prior art" as the "givens" in the problem that you are trying to solve. The prior art is the shoulders of the people who came before you – that you may choose to stand on.
- f. ___ Did you include a labeled sketch of one possible solution to your problem? (think of this as one hypothesis).
- g. ___ Does the basic concept behind your sketch make sense?
- h. ___ Along with your sketch, did you include a brief description of how the invention works?

3. Proposal #3

- a. ___ Did you provide a succinct title for your project proposal?
- b. ___ Did you further clarify the nature/scope of your proposal or the problem that you hope to solve?
- c. ___ Did you provide at least one valid reason for working on this problem?
- d. ___ Did you describe who might benefit from this problem being solved?
- e. ___ Prior art -- Did you provide at least two examples representing research, knowledge, or technology that relates to this problem? You may think of the "prior art" as the "givens" in the problem that you are trying to solve. The prior art is the shoulders of the people who came before you – that you may choose to stand on.
- f. ___ Did you include a labeled sketch of one possible solution to your problem? (think of this as one hypothesis).
- g. ___ Does the basic concept behind your sketch make sense?
- h. ___ Along with your sketch, did you include a brief description of how the invention works?