

Student Name: _____ Class: _____

Project Title: _____

Most Projects:

Engineering Projects:

I. Research Question (10 pts)

- clear and focused purpose
- identifies contribution to field of study
- testable using scientific methods

Total points:

Comments:

I. Research Problem (10 pts)

- description of a practical need or problem to be solved
- definition of criteria for proposed solution
- explanation of constraints

Total points:

Comments:

II. Design and Methodology (15 pts)

- well-designed plan and data collection methods
- variables and controls defined, appropriate and complete

Total points:

Comments:

II. Design & Methodology (15 pts)

- exploration of alternatives to answer need or problem
- identification of a solution
- development of a prototype/model

Total points:

Comments:

III. Execution: Data Collection, Analysis & Interpretation (20 pts)

- systematic data collection and analysis
- reproducibility of results
- appropriate application of mathematical and statistical methods
- sufficient data collected to support interpretation and conclusions

Total points:

Comments:

III. Execution: Construction & Testing (20 pts)

- prototype demonstrates intended design
- prototype has been tested in multiple conditions/trials
- prototype demonstrates engineering skill and completeness

Total points:

Comments:

All Projects

IV. Creativity (20 pts)

- project demonstrates significant creativity/originality/inventiveness in one or more of the above criteria

Total points:

Comments:

V. Presentation (35 pts)

Poster (10 pts)

- logical organization of material
- clarity of graphics and legends
- supporting documentation well selected and displayed

Total points:
Comments:
Total points for the slideshow out of 100: