



JUDGING CRITERIA

1. Scientific Approach (30 points)

<u>Science Project</u>	<u>Engineering Project</u>
Clearly Stated Hypothesis	Identified Need or Problem
Logical Experiment with Control	Development of Clear Performance Criteria
Accuracy of Data and Observations	Well-constructed and Tested Prototype
Well-supported Conclusions	Retesting and Redesign
Consideration of Future Research	Feasibility Study

2. Understanding of Science and Engineering (25 points)

Application & Understanding of Scientific Method or Design Process
Conclusions are Consistent with Data
Knowledge of Scientific Literature Relevant to Project
Connections to other Disciplines

3. Innovation/Creativity (20 points)

Originality
Use of Unique Methods, Designs or Materials
Creative Approach to Problem-Solving

4. Presentation (15 points)

Clarity of Auditory Presentation
Effectiveness and Use of Visual Display
Research Paper with Citations
Evidence of Equitable Collaboration (if Team Project)

5. Laboratory Notebook (10 Points)

Well-documented Entries
Dated Records
Evidence of Project Development
Students in a team have their own laboratory notebook