

CRITERIA	WHAT TO LOOK FOR WHILE JUDGING		SCORE
Scientific Thought or Engineering Goals	Scientific Thought: 1. Question or problem was stated clearly and unambiguously. 2. The procedure/methods were well thought out and organized. 3. Data and results were presented using quantifiable numbers and statistical analysis. 4. Lab notebook/logbook is complete with original data, dates & notes. 5. Variables & Controls are clearly recognized and used appropriately. 6. The student/team understands their project's tie to related research. 7. Measurements were made with as much accuracy as possible.	Engineering Goals: 1. The project had a clear objective. 2. The solution is workable and economically feasible. 3. The solution has been successfully tested under the conditions of use. 4. The solution is a significant improvement over previous alternatives. 5. Lab notebook is complete with original data, prototypes, dates, notes, etc.	30
Creative Ability	1. The project showed creative ability and originality in: <ul style="list-style-type: none"> ◆ The question asked. ◆ The approach to solving the problem. ◆ The interpretation of the data. ◆ The use or design of equipment. 2. The display was creative and pleasing to look at.		30
Thoroughness	1. Adequate data were collected to support the conclusions. 2. Conclusions are based upon multiple trials, replications and/or test subjects. 3. The student/team is aware of other theories or approaches. 4. Conclusions and/or data analysis describe possible errors or flaws. 5. Background research is related to the project and summarized by the student. 6. References are identified. 7. The student/students allowed themselves enough time to perform a thorough investigation.		15
Skill	1. The student/team demonstrated that they have the required laboratory, computation, observational and design skills necessary to have completed their project. 2. The student/team may have received help and assistance but the completed project reflects their work and understanding. 3. The written material reflects the student/team's understanding and research.		15
Clarity	1. The important phases of the project are presented in an orderly manner. 2. There are few spelling and grammatical errors. 3. Data and results are presented clearly. 4. Graphs and charts are understandable and labeled correctly with measurable units.		10
Total Points Possible			100