



Project #
Category
Judge number

Judges' Score Sheet - Engineering

- | | |
|------------------------------------|--------------------------------------|
| 0-Little effort expended | 3-Excellent effort |
| 1-Got the job done without fanfare | 4-Very well done! State Fair quality |
| 2- Good Job! Next time try.... | 5-The best ever! ISEF quality |

Creative Ability (25 points total)

Problem is original or unique approach to an old problem?	0 1 2 3 4 5	
Equipment and materials are used ingeniously?	0 1 2 3 4 5	
Interpretation of data is appropriate for grade level?	0 1 2 3 4 5	
Student understands unanswered questions remain?	0 1 2 3 4 5	
Creativity is evident?	0 1 2 3 4 5	Total ____/25

Engineering Goals (30 points total)

Does the project have a clear objective?	0 1 2 3 4 5	
Is the objective relevant to the potential users needs?	0 1 2 3 4 5	
Is the solution workable? Acceptable to user? Feasible?	0 1 2 3 4 5	
Could this solution be used in the design of a product?	0 1 2 3 4 5	
Is this solution a significant improvement over existing?	0 1 2 3 4 5	
Has this solution been tested under realistic use conditions?	0 1 2 3 4 5	Total ____/30

Thoroughness (20 points total)

The study is complete within the scope of the problem?	0 1 2 3 4 5	
Scientific literature has been searched?	0 1 2 3 4 5	
Experiments have been repeated?	0 1 2 3 4 5	
Careful records have been kept?	0 1 2 3 4 5	Total ____/20

Skill (15 points total)

Skills needed for construction or use of equipment is evident?	0 1 2 3 4 5	
Mathematical, computational, or observational skills are evident?	0 1 2 3 4 5	
Project is designed to yield valid, reliable and accurate data?	0 1 2 3 4 5	Total ____/15

Clarity (10 points total)

The project notebook is organized, neat and accurate?	0 1 2 3 4 5	
Purpose, procedure and conclusions are clearly outlined and the title accurately reflects the problem?	0 1 2 3 4 5	Total ____/10

Group Rank _____

Grand Total _____/100