Greater San Diego Science and Engineering Fair

Judges' Project Comparison Worksheet - Use this in whatever manner you wish… as a thought organizer, as a reminder, or as a sheet of paper on which to scribble notes.

Project ID	Project Title	1st	2nd	3rd	?	NS	CaSEF	GA*	Notebook 10 pts	Display Board 10 pts	Scientific Method 40 pts	Complexity & Understanding 20 pts	Creativity 20 pts	Total Points 100 pts	NOTES

1. Interview each exhibitor individually.
2. Make team decisions for all awards.
Note: Give as many or as few of each award as your team deems warranted.
3. Team captains should turn in awards card to the Information Center. Individual judges do not need to turn in this worksheet.

REMEMBER:
Reward the best. Encourage the rest!
? = questionable project
NS = No Show
CaSEF = California State Fair, choose (2) 1st place
GA = Grand Awards Recommendation

Notebook: Should be neat, well-written, organized, thorough. Should include an abstract, purpose, hypothesis, review of literature, procedures, tables with graphs & analysis (high school - statistics), conclusions, and bibliography. Original data, observations, calculations, notes, or sketches are in an appendix or separate notebook.

Display Board: Is neat, organized, pleasing to look at; guides a reader through the project; has a logical display with title, problem, hypothesis, procedures. Tables, graphs, results, and conclusions. Photos w/captions, flow charts, and other visual aids can be used to add clarity.

Scientific Method: Uses scientific procedures to examine a defined problem. Controlled experimenting shows orderly data recording /analysis, with appropriate sample size, repetitions, and statistics to support interpretation and conclusions. Scientific literature was researched.
Engineering Projects: Project has a clear objective relevant to needs of potential users; demonstrates the development of the process/prototype/model. Prototype has been tested in conditions/trials of intended usage and demonstrates engineering skills, is workable and feasible economically/ecologically.

Complexity & Understanding: How complex or scientifically advanced is the project? What level of math, science, or engineering was used? How well does the experiment examine the problem? Does the student understand the scientific mechanism underlying the issue? Were the most important variables identified and incorporated into the experiment? Can the student accurately describe their results and implications?

Creativity: Explores original problem or unique approach to data & interpretation. How creative/original is the experimental approach?
Engineering Projects: How creative or original is the solution to the design objective? Extra credit should be given for special skills needed for construction or use of equipment, or original observational and design techniques.