

## Bay Area Science and Engineering Fair 2006 - Judging Form

Project ID:	(Do not write in this space)
Write Project Mark here, and enter it in the Mark Sense Boxes to the right:	Fill box completely, one box per row. Make no other marks in this space. 10 9 8 7 6 5 4 3 2 1 0  <b>10's</b>  <b>1's</b>

### A. Scientific Thought (maximum 45 marks)

1. Select whether the project is either an experiment, study, or innovation.
2. Determine the level of the project by matching the description with the project. Circle the deserving mark out of a maximum of 45.

Definition	Level 1 (acceptable)	Level 2 (fair)	Level 3 (good)	Level 4 (excellent)
<b>Experiment</b> Investigation undertaken to test one or more hypotheses.	Duplication and reporting of an experiment to test a previously confirmed hypothesis.	Extension of a known experiment through modification of its procedure, data collection, analysis or application.	A new approach to the design, modification or application of an existing experiment with control of some variables.	A new experimental approach to a research problem in which most of the significant variables are controlled.
<b>Study</b> A collection and analysis of data showing evidence of a correlation, or pattern of scientific interest. Variables are identified and controlled.	Study and presentation of printed material related to the basic issue.	Study of material collected through compilation of or expansion of existing data and through observation. The study attempts to address a specific issue.	Study based on new observations and research of a previously studied topic. Appropriate analysis of data and correlations made.	A new approach to the study of a problem which correlates information from a number of sources. The report also offers new insights or solutions to the problem.
<b>Innovation</b> The development and evaluation of models or innovative devices, using approaches from the field of technology or engineering.	Building models or other devices that duplicate existing technology; minimal reporting.	Make improvement to an existing technology or use an existing technology for new applications.	Design and build an innovative adaptation of an existing technology for a new application.	Build a novel technology or integrate technologies to form an innovative system that has commercial or human benefit.
<b>Score out of a possible 45 marks.</b>	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

**NOTE: This form will be machine scanned; please DO NOT FOLD. Use this form ONLY for the Project # printed in the ID Section.**

**A**

**Score:**

### B. Display (maximum 10 marks)

- Is workmanship neat and carefully done?
- Is lettering clear?
- Are colours strong and suitable?
- Is the layout complete, logical and self-explanatory?
- Is the content clearly and logically presented?
- Is the display simple and visually balanced?
- Does it capture attention?
- Does it have impact?
- Is there good balance and use of contrasts?
- Do the backboards, table and all displays meld together?

Circle: 1 2 3 4 5 6 7 8 9 10

**B**

Score:

### C. Notebook / Work Journal (maximum 20 marks)

- Is the notebook clear, concise and neat?
- Is it different from the backboard display?
- Is it well organized?
- Is there a journal summarizing actual work noting both successes and failures?
- Is there a bibliography?
- Are there acknowledgements?

Circle: 1 2 3 4 5 6 7 8 9 10  
11 12 13 14 15 16 17 18 19 20

**C**

Score:

### D. Abstract (maximum 5 marks)

- Is the abstract present?
- Does the abstract contain all aspects of the project?
- Is the information concise, complete, and accurate?
- Is the abstract well written? (grammar, syntax and spelling)

Circle: 1 2 3 4 5

**D**

Score:

### E. Interview (maximum 20 marks)

Student is unsure of the material or the process of the project and has difficulty answering questions about the project.

Student can summarize the project adequately and can answer the majority of questions about the project.

Student explains the project well and can answer all questions about the project clearly and logically.

Circle:  
6 7 8 9 10

Circle:  
11 12 13 14 15

Circle:  
16 17 18 19 20

**E**

Score:

Please note some constructive comments for students.