

Project Number \_\_\_\_\_ Category \_\_\_\_\_

Name of Student \_\_\_\_\_

Title of Project \_\_\_\_\_

<b>A. Creativeness(25 points total)</b>	
1. The problem is original or is a unique approach to an old problem(considering the student's grade level)	1 2 3 4 5
2. Equipment and materials are used ingeniously	1 2 3 4 5
3. Applications of project information shows students creative involvement	1 2 3 4 5
4. Creativity is evident in the design of the project	1 2 3 4 5
5. Creativity is evident in the display of the project	1 2 3 4 5
<b>Total Creativeness</b>	<b>_____ / 25</b>
<b>B. Scientific thought</b> or engineering goals (See back for this section if Engineering project) (30 pts total)	
1. The hypothesis is clearly stated and the project is clearly designed.	1 2 3 4 5
2. The project shows depth of study and effort.	1 2 3 4 5
3. Project exhibits orderly recording and analysis of data – raw data notebook is present with dated pages.	1 2 3 4 5
4. Sampling techniques and data collection are appropriate for the problem – appropriate repetition of experimentation.	1 2 3 4 5
5. Student shows evidence of understanding that unanswered questions remain or can point out mistakes or improvements.	1 2 3 4 5
6. Conclusions formulated are logical, based on the data collected, and are relevant to the hypothesis.	1 2 3 4 5
<b>Total Scientific Thought</b> (or Engineering goals from back)	<b>_____ /30</b>
<b>C. Thoroughness (30 pts)</b>	
1. The study is complete within the scope of the problem	1 2 3 4 5
2. Scientific literature has been searched and a research report has been written and has bibliographical sources.	1 2 3 4 5
3. Experiments have been repeated and careful records have been kept.	1 2 3 4 5
4. The project notebook is well organized, neat and accurate	1 2 3 4 5
5. Interpretation of the data is appropriate for the student's grade level. (High school requires statistical analysis beyond the mean if data is numerical)	1 2 3 4 5
6. There is evidence that the student learned something new in this project.	1 2 3 4 5
<b>Total Thoroughness</b>	<b>_____ /30</b>
<b>E. Clarity (15 points)</b>	
1. During the interview process the student demonstrated an appropriate level of knowledge about his or her subject	1 2 3 4 5
2. During the interview process the student demonstrated problem solving skills such as construction of materials, use of equipment, interpretation of observations or numerical data.	1 2 3 4 5
	1 2 3 4 5

**Total points for Project** \_\_\_\_\_ **/100**

**Judges initials** \_\_\_\_\_

**Ribbon** \_\_\_\_\_

**Please put any comments to assist students in competing at the next level on the back or in the margins of this form.**

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3. The student's display board can clearly be understood without student explanation.	
<b>Total Clarity</b>	_____/15
If engineering project – substitute this thought process for the scientific thought (30 pts)	
Engineering goals	
1. The project has a clear objective relevant to needs of potential user	1 2 3 4 5
2. Product or process has been tested	1 2 3 4 5
3. Product or process is both workable and feasible economically and ecologically	1 2 3 4 5
4. Project exhibits orderly recording and analysis of data	1 2 3 4 5
5. Testing procedures are appropriate and organized	1 2 3 4 5
6. Conclusions are logical and based on the data collected	1 2 3 4 5
<b>Please put total on other side out of 30 in the scientific thought category</b>	

Judges initials \_\_\_\_\_

Total points for Project \_\_\_\_\_/100

Ribbon \_\_\_\_\_

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