

Add project label here

Judge's initials

Scoring guide: 0 = Content is missing or inaccurate. Appears that work was not done by student. 1 or 2 = Content present, more detail needed.

3 = Some parts of project missing. 4 = Project element is fully addressed, as appropriate for grade level.

6 = All parts of multi-section project element are present and fully addressed.

Description of Criteria For Engineering Projects	Project Elements	Points Awarded (Circle)			
Project title is relevant.	Title	0	2	4	
Engineering problem and educated prediction are supported by facts.	Engineering Problem, Goals	0	2	4	
Materials list, including amounts used and specific descriptions of materials, is present.	Materials	0	2	4	
Procedures clearly describe process. Evidence that iterative process was used, and was based on test results. A control was used when applicable.	Procedure	0	2	4	
Project constraints are clearly stated.	Constraints	0	2	4	
Data tables and graphs support procedures and stated results. Labels, titles, and units found on tables and graphs. Metric units used.	Data and Data Analysis	0	2	4	6
Is the testable question answered or engineering goal met? Does the data support the stated conclusion?	Conclusion	0	1	2	

Display board is organized, neat, and well planned. Photos, diagrams, and graphics are used to describe the work.	Display Appearance	0	1	2	
Includes all research relating to project, entries describe work throughout experiment, challenges, errors, unexpected results. Entries have dates.	Lab Journal	0	2	4	6
250-word summary about the project required for students in grades 6 - 12 . This might be on the board or on the table.	Abstract	0	2	4	
Project reflections strong critical thinking skills	Critical Thinking	0	2	4	
TOTAL POINTS FOR PROJECT BOARD		/44			

Comments:

Turn over to complete score student interview.

Rubric Judge (circle) #1 or #2

Scoring guide:

- 0 = Limited or inaccurate explanation given
- 1 = Good level of knowledge, based on grade level
- 2 = Excellent knowledge of the project process

Judge's initials

Description of Criteria	Interview Element	Points Awarded (Circle)
Student(s) explains why they chose their topic.	Origin of project topic	0 1 2
Student(s) describes what was being tested and how the test was designed.	Explanation of project's procedures.	0 1 2
Student(s) accurately explains test results and data.	Data analysis	0 1 2

Student(s) discusses what challenges arose with the project, Possible unexpected results or set-backs, and how these were addressed.	Discussion of project challenges, unexpected results	0	1	2
Student(s) explains what was learned.	Interpretation of results	0	1	2
Student(s) discusses the project without reading from the display board. Student(s) explains the work, using language appropriate for grade level. Adults do not add comments or prompt students.	Students show a genuine understanding of the project	0	1	2
Student(s) makes eye contact, speaks clearly, shows enthusiasm for the project.	Presentation skills	0	1	2
TOTAL POINTS FOR INTERVIEW		/14		

TURN OVER AND SCORE PROJECT BOARD

Total Points = Display Board + Interview	Judge 1 Total	Judge 2 Total	Average	Award recommendation (circle)	
				1 st	2 nd
				3 rd	HM

**Recommended for
Best of Show award?**
Yes No

1st place: 52 – 58 points	2nd place: 46 – 51	3rd place: 40 – 45	Honorable Mention: ≤ 39
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