

*Add project label here*

Judge's initials

Scoring guide: 0 = Content is missing or inaccurate

2 = Content present, more detail needed

3 = Average/at grade level of effort. All project requirements are met.

4 = Very good, above grade level of sophistication

and/or effort

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 3 4
Engineering problem and educated prediction are supported by facts.	Engineering Problem, Goals	0 2 3 4
Materials list, including amounts used and specific descriptions of materials, is present.	Materials	0 2 3 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 3 4
Project constraints are clearly stated.	Constraints	0 2 3 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 3 4 6
Is the testable question answered or engineering goal met? Does the data support the stated conclusion?	Conclusion	0 2 3 4

Display board is organized, neat, and well planned. Photos, diagrams, and graphics are used to describe the work.	<b>Display Appearance</b>	0 2 3 4
Includes all research relating to project, entries describe work throughout experiment, challenges, errors, unexpected results. Entries have dates.	<b>Lab Journal</b>	0 2 3 4 6
250-word summary about the project required for students in <b>grades 6 - 12</b> . This might be on the board or on the table.	<b>Abstract</b>	0 2 3 4
Project reflections strong critical thinking skills	<b>Critical Thinking</b>	0 2 3 4
<b>TOTAL POINTS FOR PROJECT BOARD</b>		<b>/48</b>

Comments:

**Turn over to complete score  
student interview.**

Scoring guide: **0** = Inaccurate knowledge of subject and process. Appears that work not done by student.

**1** = Limited or inconsistent knowledge of subject and process.

**3** = Good level of knowledge of process, with few mistakes.

**4** = Shows high level of knowledge of subject and generally communicates results clearly, with only minor misunderstandings.

**5** = Excellent knowledge of the project. Can articulate process and results clearly and accurately.

Judge's initials

<b>Description of Criteria</b>	<b>Interview Element</b>	<b>Points Awarded (Circle)</b>
Student(s) explains why they chose their topic.	Origin of project topic	0 1 3 4 5
Student(s) describes what was being tested and how the test was designed.	Explanation of project's procedures.	0 1 3 4 5
Student(s) accurately explains test results and data.	Data analysis	0 1 3 4 5

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 3 4 5
Student(s) explains what was learned.	Interpretation of results	0 1 3 4 5
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 3 4 5
Student(s) makes eye contact, speaks clearly, shows enthusiasm for the project.	Presentation skills	0 1 3 4 5
<b>TOTAL POINTS FOR INTERVIEW</b>		<b>/ 35</b>

**TURN OVER AND SCORE PROJECT BOARD**

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

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

<b>1<sup>st</sup> place: 75 - 83 points</b>	<b>2<sup>nd</sup> place: 66 - 74</b>	<b>3<sup>rd</sup> place: 58 - 65</b>	<b>Honorable Mention: ≤ 57</b>
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