

JUDGING GUIDE: RUBRICS/SCORING

Rubric Example: Middle School

MIDDLE SCHOOL SCORING SHEET: POSTER & NOTEBOOK

School:

Team Name:

Team Number:

Please assign teams a score between 1 and 100 for each of the following five criteria:

Ask: Research the Problem			Score:
1 Students did not conduct research.	50 Students conducted research about car materials.	100 Students conducted research about car materials and content. Students used research to address questions.	[]
Imagine/Plan: Develop Possible Solutions			Score:
1 Students selected plan for prototype design at the outset of their design process.	50 Students selected design and listed components.	100 Students selected design and listed components. Students explored wheel size, gear ratio, friction, etc.	[]
Create: Build a Prototype			Score:
1 Students built a prototype.	50 Students built a prototype with pictures included.	100 Students built a prototype, with detailed notes about adjustments made.	[]
Test, Evaluate, and Improve			Score:
1 Students tested prototype, but did not redesign.	50 Students tested prototype, listed results and developed a second design.	100 Students tested prototype, listed results, made a second design, and retested, taking careful notes.	[]
Final Design: Innovation			Score:
1 Vehicle is not decorated and students did not document its usefulness.	50 Vehicle is somewhat innovative in nature, but team did not document ways in which their car is innovative.	100 Student creativity and innovation is clearly present in vehicle material testing or selection. Vehicle uses recycled materials or team creativity is documented.	[]

Judges Choice Nominee? Yes No

Notes:

Judge Name:

Rubric Example: Middle School

MIDDLE SCHOOL SCORING SHEET: INTERVIEW

<u>School:</u>	<u>Team Name:</u>	<u>Team Number:</u>
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Please assign teams a score between 1 and 100 for each of the following five criteria:

Content	Score:						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding: 5px;">1</td> <td style="width: 33%; text-align: center; padding: 5px;">50</td> <td style="width: 33%; text-align: center; padding: 5px;">100</td> </tr> <tr> <td style="padding: 5px;">Students demonstrated little knowledge of science and engineering content.</td> <td style="padding: 5px;">Students demonstrated knowledge of science and engineering content.</td> <td style="padding: 5px;">Students mastered science and engineering content as they relate to renewable energy.</td> </tr> </table>	1	50	100	Students demonstrated little knowledge of science and engineering content.	Students demonstrated knowledge of science and engineering content.	Students mastered science and engineering content as they relate to renewable energy.	<input style="width: 100%; height: 20px;" type="text"/>
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Clarity	Score:						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding: 5px;">1</td> <td style="width: 33%; text-align: center; padding: 5px;">50</td> <td style="width: 33%; text-align: center; padding: 5px;">100</td> </tr> <tr> <td style="padding: 5px;">Students answered all questions.</td> <td style="padding: 5px;">Students answered questions and supported their claims with evidence and reasoning.</td> <td style="padding: 5px;">Students answered questions with comprehensive support and communicated ideas with real world application.</td> </tr> </table>	1	50	100	Students answered all questions.	Students answered questions and supported their claims with evidence and reasoning.	Students answered questions with comprehensive support and communicated ideas with real world application.	<input style="width: 100%; height: 20px;" type="text"/>
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Teamwork	Score:						
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Research/Preparedness	Score:						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding: 5px;">1</td> <td style="width: 33%; text-align: center; padding: 5px;">50</td> <td style="width: 33%; text-align: center; padding: 5px;">100</td> </tr> <tr> <td style="padding: 5px;">Students shared their approach to the challenge, but with little detail.</td> <td style="padding: 5px;">Students demonstrated familiarity with components and asked initial questions before they began the design process.</td> <td style="padding: 5px;">Students demonstrated familiarity with components, asked questions, and mentioned multiple sources to support their decisions throughout the process.</td> </tr> </table>	1	50	100	Students shared their approach to the challenge, but with little detail.	Students demonstrated familiarity with components and asked initial questions before they began the design process.	Students demonstrated familiarity with components, asked questions, and mentioned multiple sources to support their decisions throughout the process.	<input style="width: 100%; height: 20px;" type="text"/>
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Judges Choice Nominee? <input style="margin-left: 20px;" type="checkbox"/> Yes <input style="margin-left: 20px;" type="checkbox"/> No
Notes:
Judge Name: