JUDGING GUIDE: RUBRICS/SCORING

Rubric Example: Middle School

Elementary Scoring Sheet: Car Design and Engineering 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	**50**	**100**	
Students did not conduct research	Students conducted research about car materials.	Students conducted research about car materials and content. Students used research to address questions	

Imagine/Plan: Develop Possible Solutions			Score
1	**50**	**100**	
Students selected a plan for prototype design at the outset of their design process	Students selected a car design and listed components.	Students selected a car design and listed components. Students explored wheel size, gear ratios, friction, etc.	

Create: Build a Prototype			Score
1	**50**	**100**	
Students built a prototype	Students build a prototype with pictures included.	Students build a prototype, with pictures and detailed notes about adjustments made.	

Test, Evaluate, and Improve			Score
1	**50**	**100**	
Students tested their prototype, but did not redesign	Students tested their prototype, listed results and developed a second design	Students tested their prototype, listed results, made a second design, and retested, taking careful notes.	

Final Design: Innovation			Score
1	**50**	**100**	
Vehicle is not decorated, and students did not provide supporting documentation.	Vehicle is somewhat innovative in nature, but the team did not support with documentation.	Student creativity and innovation is clearly present in vehicle material testing or selection. Vehicle uses recycled materials and includes careful documentation.	

Judge's Choice Nominee? ○ Yes ○ No
Notes:
Judge Name:

JUDGING GUIDE: RUBRICS/SCORING

Rubric Example: Middle School

Elementary Scoring Sheet: Presentation and Interview		
School:	Team Name:	Team Number:

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

Content			Score
1	**50**	**100**	
Students demonstrated little knowledge of presentation topic or engineering process.	Students demonstrated knowledge of presentation topic and engineering process.	Students mastered presentation topic and engineering content as they relate to renewable energy.	

Clarity			Score
1	**50**	**100**	
Students selected presentation topic related to the challenge.	Students answered questions about the process and their presentation with evidence and reasoning.	Students answered questions with comprehensive understanding and communicated ideas with real world applications.	

Teamwork			Score
1	**50**	**100**	
One student answered all the questions.	More than one student answered all the questions.	Many team members answered questions and worked collaboratively.	

Research/Preparedness			Score
1	**50**	**100**	
Students shared their approach to the challenge, but with little detail.	Students demonstrated familiarity with components and asked initial questions before beginning the design process.	Students demonstrated familiarity with components, asked questions, and supported their decision making with research throughout the process.	

Judge's Choice Nominee? ○ **Yes** ○ **No**
Notes:
Judge Name: