

Project ID: «Project\_Id» Judge ID: \_\_\_\_\_

Project Category: «Category»

Project Title: «Project\_Title»



### JUDGE SCORING RUBRIC

Criteria for Science Projects	Score	Criteria for Engineering Projects
<b>Research Question</b> <ul style="list-style-type: none"> <li>• Clear and focused purpose</li> <li>• Identifies contribution to field of study</li> <li>• Testable using scientific methods</li> </ul>	<b>10 POINTS</b>	<b>Research Problem</b> <ul style="list-style-type: none"> <li>• Description of a practical need or problem to be solved</li> <li>• Definition of criteria for proposed solution</li> <li>• Explanation of constraints</li> </ul>
<b>Design and Methodology</b> <ul style="list-style-type: none"> <li>• Well-designed plan and data collection methods</li> <li>• Variables and controls defined, appropriate and complete</li> </ul>	<b>15 POINTS</b>	<b>Design and Methodology</b> <ul style="list-style-type: none"> <li>• Exploration of alternatives to answer need or problem</li> <li>• Identification of a solution</li> <li>• Development of a prototype/model</li> </ul>
<b>Execution: Data Collection, Analysis, and Interpretation</b> <ul style="list-style-type: none"> <li>• Systematic data collection and analysis</li> <li>• Reproducibility of results</li> <li>• Appropriate application of mathematical and statistical methods</li> <li>• Sufficient data collected to support interpretation and conclusions</li> </ul>	<b>20 POINTS</b>	<b>Execution: Construction and Testing</b> <ul style="list-style-type: none"> <li>• Prototype demonstrates intended design</li> <li>• Prototype has been tested in multiple conditions/trials</li> <li>• Prototype demonstrates engineering skill and completeness</li> </ul>
<b>Creativity</b> <ul style="list-style-type: none"> <li>• Project demonstrates significant creativity in one or more of the above criteria</li> </ul>	<b>20 POINTS</b>	<b>Creativity</b> <ul style="list-style-type: none"> <li>• Project demonstrates significant creativity in one or more of the above criteria</li> </ul>
<b>Poster Display</b> <ul style="list-style-type: none"> <li>• Logical organization of material</li> <li>• Clarity of graphics and legends</li> <li>• Supporting documents displayed</li> </ul>	<b>10 POINTS</b>	<b>Poster Display</b> <ul style="list-style-type: none"> <li>• Logical organization of material</li> <li>• Clarity of graphics and legends</li> <li>• Supporting documents displayed</li> </ul>
<b>Interview</b> <ul style="list-style-type: none"> <li>• Clear, concise, thoughtful responses to questions</li> <li>• Understanding of basic science relevant to project</li> <li>• Understanding interpretation and limitations of results and conclusions</li> <li>• Degree of independence in conducting project</li> <li>• Recognition of potential impact in science, society, and/or economics</li> <li>• Quality of ideas for further research</li> <li>• <b>For team projects, contributions to and understanding of project by all members</b></li> </ul>	<b>25 POINTS</b>	<b>Interview</b> <ul style="list-style-type: none"> <li>• Clear, concise, thoughtful responses to questions</li> <li>• Understanding of basic science relevant to project</li> <li>• Understanding interpretation and limitations of results and conclusions</li> <li>• Degree of independence in conducting project</li> <li>• Recognition of potential impact in science, society, and/or economics</li> <li>• Quality of ideas for further research</li> <li>• <b>For team projects, contributions to and understanding of project by all members</b></li> </ul>
	<b>100 TOTAL POSSIBLE POINTS</b>	

Project ID: «Project\_Id» Judge ID: \_\_\_\_\_

Project Category: «Category»

Project Title: «Project\_Title»



---

**Notes:**