

# Project Judging Criteria

Judges look for well thought-out research. They look at how significant your project is in its field, as well as how thorough you were.

Before starting your project, read the Judging Form carefully. Make sure you understand each of the categories, because your project will be judged on these categories. If you have questions, please discuss them with your teacher or Science Fair Coordinator.

Project Title: \_\_\_\_\_ Project #: \_\_\_\_\_

Experiment-Based Projects	Engineering Projects	Points
<b>Research Question</b> <ul style="list-style-type: none"> <li>• Clear and focused purpose</li> <li>• Testable using scientific methods</li> </ul>	<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>10 points</b>
<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>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 model/prototype</li> </ul>	<b>30 points</b>
<b>Execution: Data Collection, Analysis &amp; 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>Execution: Data Collection, Analysis &amp; Interpretation</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>30 points</b>
<b>Creativity</b> <ul style="list-style-type: none"> <li>• Project demonstrates creativity/originality/innovativeness in one or more of the above criteria</li> </ul>		<b>10 points</b>
<b>Presentation</b> <ul style="list-style-type: none"> <li>• Logical organization of material</li> <li>• Clarity of graphics and legends</li> <li>• Supporting documentation well-selected and displayed</li> </ul>		<b>20 points</b>