

# WV Science and Engineering Fair

## Engineering Score Card

### Project Information

Project Title		
Category		
Division	Project Number	

### Judging Criteria for Engineering Projects

#### Research and Methodology (65 points)

Research Problem (10 points)	Comments	Score
<ul style="list-style-type: none"> <li>Description of a practical need or problem to be solved</li> <li>Definition of criteria for the proposed solution</li> <li>Explanation of constraints</li> </ul>		
Design and Methodology (15 points)	Comments	Score
<ul style="list-style-type: none"> <li>Exploration of alternatives to answer needs or problem</li> <li>Identification of a solution</li> <li>Development of a prototype/model</li> </ul>		
Execution: Data Collection, Analysis, and Interpretation (20 points)	Comments	Score
<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>		
Creativity (20 points)	Comments	Score
<ul style="list-style-type: none"> <li>Project demonstrates significant creativity</li> <li>Creative project demonstrates imagination and inventiveness. Such projects often offer different perspectives that open new possibilities or new alternatives. Judges should emphasize research outcomes in evaluating creativity.</li> </ul>		

#### Presentation (35 points)

Poster or Visual Display (10 points)	Comments	Score
<ul style="list-style-type: none"> <li>Logical organization of material</li> <li>Clarity of graphics and legends</li> <li>Supporting documentation displayed</li> </ul>		
Interview (25 points)	Comments	Score
<ul style="list-style-type: none"> <li>Clear, concise, thoughtful responses to questions</li> <li>Understanding of basic science relevant to the project</li> <li>Understanding interpretation and limitations of results and conclusions</li> <li>Degree of independence in conducting a project</li> <li>Recognition of potential impact in science, society, and/or economics</li> <li>Quality of ideas for further research</li> <li>For team projects, contributions to and understanding of the project by all members</li> </ul>		

Total Score

Additional Comments / Suggestions (continue on back if needed):

Place awarded (circle)	First (minimum score 90)	Second (minimum score 80)	Third (minimum score 70)	Honorable Mention
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