

JUDGE #

# WESEF RUBRIC

Poster ID#

*Please use your best judgment; the following set of criteria can assist you in interviewing the presenters and aid in your evaluation of the students' projects.  
Your actual scores will be directly submitted online the day of the fair.*

Guidelines	Notes
<p><b>I. Introduction &amp; Background</b></p> <ul style="list-style-type: none"> <li>Provides an intro that begins with general info leading up to the area of research</li> <li>Student understands how their research builds upon previous work</li> </ul>	<p style="text-align: center;">Lowest <span style="float: right;">Highest</span></p> <p style="text-align: center;"><b>1 2 3 4 5 6 7 8 9 10</b></p>
<p><b>II. Problem Statement / Goals / Hypothesis</b></p> <ul style="list-style-type: none"> <li>Student clearly explained the goals or purpose of the research</li> <li>Explains how the goal addresses a problem (gap in previous research)</li> </ul> <p><i>If this is an engineering project, hypothesis is NOT required</i></p>	<p style="text-align: center;"><b>1 2 3 4 5 6 7 8 9 10</b></p>
<p><b>III. Methods/ Materials</b></p> <ul style="list-style-type: none"> <li>Student clearly identifies their role &amp; the mentor's role in the project</li> <li>Uses an efficient and reliable method for scientific work</li> <li>A clear plan was shown and variables were identified</li> <li><i>If controls were necessary</i>, appropriate controls were correctly used</li> <li>Sample size was appropriate for the type of study conducted</li> <li>If a survey was used, the questions adequately addressed the problem</li> </ul> <p><i>If this is an engineering project: solution can be utilized successfully in design or construction of an end product.</i></p>	<p style="text-align: center;"><b>1 2 3 4 5 6 7 8 9 10</b></p>
<p><b>IV. Results / Analysis / Discussion</b></p> <ul style="list-style-type: none"> <li>Student clearly and adequately explained the results of his/ her work &amp; understands the relationship of the results with respect to the goals</li> <li>Sufficient data was presented to support the conclusion. <i>If applicable</i>, statistical analysis was used properly (projects involving questionnaires require statistical analysis)</li> <li>Student was able to explain method of analysis used including statistical analysis</li> <li>Student interpreted the data in a way that is consistent with the original hypothesis/ problem</li> <li>Statement</li> </ul> <p><i>If this is an engineering project: solution provides improvement or alternative to existing products or designs and solution has been tested for performance.</i></p>	<p style="text-align: center;">Lowest <span style="float: right;">Highest</span></p> <p style="text-align: center;"><b>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15</b></p>

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<p><b>V. Conclusion / Application/ Future Research</b></p> <ul style="list-style-type: none"> <li>▪ Sound conclusions were made based on the data/schematics presented</li> <li>▪ Project was carried out to completion within the scope of the original intent</li> <li>▪ The student provided possible applications of his/her work</li> <li>▪ Demonstrated a clear direction for further study in the area of research</li> </ul>	<p><b>1    2    3    4    5    6    7    8    9    10</b></p> <p>Lowest <span style="float: right;">Highest</span></p>
<p><b>VI. Novelty / Creativity</b></p> <ul style="list-style-type: none"> <li>▪ A creative project demonstrates imagination and inventiveness. Such projects often offer different perspectives that open up new possibilities or new alternatives.</li> <li>▪ The project demonstrates considerable creativity in one or more of the following criteria: research question, design &amp; methods, or execution (data collection, analysis or interpretation)</li> </ul>	<p><b>1    2    3    4    5    6    7    8    9    10</b></p>
<p><b>VII. Quality of Presentation</b></p> <ul style="list-style-type: none"> <li>▪ Student presented the material in a clear and organized manner</li> <li>▪ Student demonstrated enthusiasm in the presentation of his/her research.</li> </ul> <p><i>If this is a team: the project demonstrates a cooperative effort and all members of the team contributed data that supports the study.</i></p>	<p><b>1    2    3    4    5    6    7    8    9    10</b></p>
<p><b>VIII. Student Understanding</b></p> <ul style="list-style-type: none"> <li>▪ Student demonstrated understanding of the project by answering specific questions</li> <li>▪ Student clearly explains all aspects of the project</li> </ul> <p><i>If this is a team: all members of the team demonstrated understanding of the project by answering specific questions.</i></p>	<p><b>1   2   3   4   5   6   7   8   9   10   11   12   13   14   15</b></p>
<p><b>IX. Physical Poster Organization</b></p> <ul style="list-style-type: none"> <li>▪ The poster demonstrated an organized scientific approach</li> <li>▪ Poster clearly showed the data that was presented in identifiable tables and or figures</li> <li>▪ Poster clearly presented the specific goals or specific purpose of research study</li> <li>▪ Text was clearly visible with readable formatting</li> <li>▪ Information was creatively organized in a way that enhanced the presentation of student's research</li> </ul>	<p>Lowest <span style="float: right;">Highest</span></p> <p><b>1    2    3    4    5    6    7    8    9    10</b></p>