

JUDGE #

# WESEF Main Rubric

Poster ID#

Please use your best judgment; the following is a set of criteria that can assist you in interviewing the presenters and aid in your evaluation of the students' projects.

Please circle a number; you must choose a whole number.

Guidelines	Notes														
<b>I. Introduction &amp; Background</b> <ul style="list-style-type: none"> <li>Provides an intro that begins with general info leading up to the area of research, student understands how their research builds upon previous work</li> </ul>	1	2	3	4	5	6	7	8	9	10					
<b>II. Problem Statement / Goals / Hypothesis</b> <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>	1	2	3	4	5	6	7	8	9	10					
<b>III. Methods/ Materials</b> <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>	1	2	3	4	5	6	7	8	9	10					
<b>IV. Results / Analysis</b> <ul style="list-style-type: none"> <li>Student clearly and adequately explained the results of his/ her work</li> <li>Adequate 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> </ul>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

----- Rubric continues onto the back -----

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<p><b>V. Discussion / Application</b></p> <ul style="list-style-type: none"> <li>▪ Student understands the relationship of his/her results with respect to his/her goals</li> <li>▪ Student interpreted the data in a way that is consistent with the original hypothesis/ problem statement</li> <li>▪ The research supported a creative approach to addressing a scientific question or problem</li> </ul>	<p>1   2   3   4   5   6   7   8   9   10</p>
<p><b>VI. Conclusion / 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 future applications of his/her work</li> <li>▪ Demonstrated a clear direction for further study in the area of research</li> </ul>	<p>1   2   3   4   5   6   7   8   9   10</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>1   2   3   4   5   6   7   8   9   10</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 speaks well and can clearly explain all aspects of the project</li> </ul>	<p>1   2   3   4   5   6   7   8   9   10   11   12   13   14   15</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>1   2   3   4   5   6   7   8   9   10</p>

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