

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
I. Introduction & Background <ul style="list-style-type: none"> ▪ Provides an intro that begins with general info leading up to the area of research, student understands how their research builds upon previous work 	<p style="text-align: center;">1 2 3 4 5 6 7 8 9 10</p>
II. Problem Statement / Goals / Hypothesis <ul style="list-style-type: none"> ▪ Student clearly explained the goals or purpose of the research ▪ Explains how the goal addresses a problem (gap in previous research) 	<p style="text-align: center;">1 2 3 4 5 6 7 8 9 10</p>
III. Methods/ Materials <ul style="list-style-type: none"> ▪ Student clearly identifies their role & the mentor's role in the project ▪ Uses an efficient and reliable method for scientific work ▪ A clear plan was shown and variables were identified ▪ <i>If controls were necessary</i>, appropriate controls were correctly used ▪ Sample size was appropriate for the type of study conducted ▪ If a survey was used, the questions adequately addressed the problem 	<p style="text-align: center;">1 2 3 4 5 6 7 8 9 10</p>
IV. Results / Analysis <ul style="list-style-type: none"> ▪ Student clearly and adequately explained the results of his/ her work ▪ Adequate data was presented to support the conclusion. <i>If applicable</i>, statistical analysis was used properly (projects involving questionnaires require statistical analysis) ▪ Student was able to explain method of analysis used including statistical analysis 	<p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15</p>

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

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<p>V. Discussion / Application</p> <ul style="list-style-type: none"> ▪ Student understands the relationship of his/her results with respect to his/her goals ▪ Student interpreted the data in a way that is consistent with the original hypothesis/ problem statement ▪ The research supported a creative approach to addressing a scientific question or problem ▪ The student provided possible applications of his/her work 	<p>1 2 3 4 5 6 7 8 9 10</p>
<p>VI. Conclusion / Future Research</p> <ul style="list-style-type: none"> ▪ Sound conclusions were made based on the data/schematics presented ▪ Project was carried out to completion within the scope of the original intent ▪ Demonstrated a clear direction for further study in the area of research 	<p>1 2 3 4 5 6 7 8 9 10</p>
<p>VII. Quality of Presentation</p> <ul style="list-style-type: none"> ▪ Student presented the material in a clear and organized manner ▪ Student demonstrated enthusiasm in the presentation of his/her research. 	<p>1 2 3 4 5 6 7 8 9 10</p>
<p>VIII. Student Understanding</p> <ul style="list-style-type: none"> ▪ Student demonstrated understanding of the project by answering specific questions ▪ Student clearly explains all aspects of the project 	<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15</p>
<p>IX. Physical Poster Organization</p> <ul style="list-style-type: none"> ▪ The poster demonstrated an organized scientific approach ▪ Poster clearly showed the data that was presented in identifiable tables and or figures ▪ Poster clearly presented the specific goals or specific purpose of research study ▪ Text was clearly visible with readable formatting ▪ Information was creatively organized in a way that enhanced the presentation of student's research 	<p>1 2 3 4 5 6 7 8 9 10</p>

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