

Judging Criteria for Pacific Northwest Science Fairs – Intermediate/Junior/Senior Version

Project Title:		<input type="checkbox"/> Junior (7-8) <input type="checkbox"/> Int. (9-10) <input type="checkbox"/> Senior (11-12)
Name:	Grade:	
School		
Name:		
Abstract:		<i>Table No.</i>

Item	Outstanding	Good	Acceptable	Needs Improvement
Research - Bibliography	You used five or more different sources, At least 2 were primary sources (Scientist, Scientific Journal), and You used the material from these sources in your project.	You used information from five or more different sources, and It is apparent that the material from these sources was used in your project..	You used information from three or four different sources, or You listed more, but your project does not appear to use the material you listed.	You used information from less than three different sources, or Your project does not appear to incorporate the material you listed
Originality/ Creativity	You devised a unique and original experiment that explores an area in which no research has been done.	You devised an original experiment that explored a niche or gap in our knowledge, or You devised a unique experiment to test a known hypothesis.	You used a known experiment, but modified the procedures, data gathering or application to test an extended or new hypothesis.	You duplicated a known experiment from any source to confirm the hypothesis, or The hypothesis was totally predictable and the results known beforehand
Data Collection <i>Judges: Ensure important variables were identified and controlled</i>	Your data were quantitative in nature, with sufficiently large samples to show statistical significance. Data were consistently collected and well organized.	Your data were quantitative in nature, with sufficiently large samples to show statistical significance. Data were properly logged and organized	Your data are quantitative in nature, but your sample size was too small to adequately test your hypothesis	Your data were qualitative (not measured) Or, your data were quantitative, but collected from only a few samples
Data Analysis	You statistically analyzed your data, and the results of these statistics were incorporated into the display or discussed in the report.	You presented your data in the form of properly constructed graphs with indications of margins of error (error bars)	You presented your data in the form of properly constructed graphs.	You listed the results in a ranked table or display. (eg. First to last, best to worst)
Display Quality	Your display is of advanced, museum-like quality, fully compliant with CWSF layout and materials.	All components are present. Your display is neat, title is clear and visible from a distance, diagrams and objects are properly anchored.	Some essential components are missing, or Your display has objects or diagrams are not neatly done or not present. Text contains minor errors in spelling or syntax.	Your display is not well constructed. A number of essential CWSF sections are missing, or Your text contains significant errors in spelling or syntax.
Conclusion	Conclusion is not trivial. Conclusion directly relates to hypotheses and is unequivocally or statistically shown to support it.	Conclusion is not trivial. Conclusion directly relates to hypotheses, and is supported by the data. Judges see alternative conclusions that you did not.	Conclusion fits with the hypothesis but is not well supported by the data, or the data is visibly inadequate to support the conclusion.	Conclusion present and possible, but does not fit well with hypothesis, or is not well supported by the data presented.
Verbal Defence	You have a thorough understanding of related concepts. You are able to answer all relevant questions.	You have a good understanding of the material and the methods used. You are able to suggest improvements and answer most relevant questions.	You have a fairly good understanding of the material on display, but you are unable to expand beyond the information already presented.	You have little understanding of the basic concepts relating to the project. You are unable to explain some of the material on display.
Judges' Discretionary:	<input type="checkbox"/> Exceptional Display <input type="checkbox"/> Exciting Project <input type="checkbox"/> Extra Effort <input type="checkbox"/> Controls were used	<input type="checkbox"/> Extra Research <input type="checkbox"/> Outstanding Data Book <input type="checkbox"/> Errors recognized <input type="checkbox"/> Scientific literature used.	Comments	

----- Recopy information from top. ----- Cut along dotted line ----- Attach lower portion to display ---- Submit upper portion to judges -----

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