

PRSEF USE ONLY  
 Student Name \_\_\_\_\_  
 Teacher \_\_\_\_\_  
 School \_\_\_\_\_

**Project # \_\_\_\_\_ Feedback Form – Senior/Intermediate Division**

The purpose of this form is to provide one judge's assessment of the strengths and weaknesses of the presenter's work in order to improve future projects. It does not indicate how well the presenter performed with respect to other PRSEF participants.

Judging Criteria	Outstanding	Above expectations	At Expectations	Areas for Improvement	Points
<b>Scientific thought</b>	<input type="checkbox"/> Hypothesis is relevant, testable, and <b>novel</b> <input type="checkbox"/> Conclusion is <b>fully</b> supported by data	<input type="checkbox"/> Hypothesis is relevant, testable, and <b>approached in a new way</b> <input type="checkbox"/> Conclusion is <b>largely</b> supported by data	<input type="checkbox"/> Hypothesis is relevant, testable, & <b>new to the student; research beyond simple internet search</b> <input type="checkbox"/> Conclusions <b>may overstate</b> what is supported by the data	<input type="checkbox"/> Choose a scientific question appropriate to grade level of the student and is testable <input type="checkbox"/> Provide data that support the conclusion	_____/20
<b>Experimental methods</b>	<input type="checkbox"/> Variables and controls <b>clearly</b> defined & complete <input type="checkbox"/> <b>Multiple trials</b> , with multiple samples, performed <input type="checkbox"/> Well planned, <b>documented</b> , & carefully executed <input type="checkbox"/> <b>Thorough</b> work notebook	<input type="checkbox"/> Variables and controls defined & <b>complete</b> <input type="checkbox"/> At least <b>2 independent</b> trials with multiple samples performed <input type="checkbox"/> Well planned & <b>carefully</b> executed <input type="checkbox"/> <b>Adequate</b> work notebook	<input type="checkbox"/> Variables and controls defined but <b>may be incomplete</b> <input type="checkbox"/> <b>Single</b> trial with multiple samples performed <input type="checkbox"/> <b>Appropriate</b> but execution <b>incomplete</b> <input type="checkbox"/> <b>Weak</b> notebook	<input type="checkbox"/> Define variables and provide controls <input type="checkbox"/> Perform multiple trials with multiple samples <input type="checkbox"/> Use an experimental method that is appropriate <input type="checkbox"/> Prepare and present a notebook	_____/20
<b>Analytical approach</b>	<input type="checkbox"/> Data <b>completely</b> supports conclusions <input type="checkbox"/> Data limitations <b>defined</b> <input type="checkbox"/> Statistical <b>analysis is appropriate</b> & correctly executed	<input type="checkbox"/> Data <b>adequate</b> to support conclusion <input type="checkbox"/> Data limitations <b>not fully understood</b> <input type="checkbox"/> Statistical analysis <b>correctly executed</b>	<input type="checkbox"/> Data <b>consistent</b> with conclusions <b>but not convincing</b> <input type="checkbox"/> Limitations of data <b>not addressed</b> <input type="checkbox"/> Statistical analysis <b>included</b>	<input type="checkbox"/> Present data that support conclusions <input type="checkbox"/> Understand and describe the limitation of the data <input type="checkbox"/> Apply correct and appropriate statistical analysis	_____/20
<b>Visual Presentation</b>	<input type="checkbox"/> <b>Primarily graphs or tables, scientific question, conclusions, &amp; brief descriptions of methods</b> <input type="checkbox"/> Data presentation is <b>clear and concise</b> <input type="checkbox"/> Material is well organized and reader needs <b>no assistance</b>	<input type="checkbox"/> Text and visually displayed information <b>balanced</b> on poster <input type="checkbox"/> <b>Proper use</b> of graphs/tables for data presentation <input type="checkbox"/> Material is organized and reader needs <b>minimal assistance</b>	<input type="checkbox"/> Text <b>outweighs</b> visually displayed information <input type="checkbox"/> <b>Some use</b> of graphs/tables for data presentation <input type="checkbox"/> Material is organized so the reader can navigate <b>with help</b>	<input type="checkbox"/> Revise the poster to balance text and visually displayed information <input type="checkbox"/> Organize the material to assist the reader	_____/20
<b>Oral Presentation</b>	<input type="checkbox"/> Well prepared, reflects a deep understanding of the question and <b>relevance to a broad audience</b> <input type="checkbox"/> <b>Responds readily</b> to questions <input type="checkbox"/> Can reason from findings <b>independently</b> to suggest further investigations	<input type="checkbox"/> Well prepared, reflects a <b>deep</b> understanding of the question <input type="checkbox"/> <b>Familiarity</b> of background appropriate to experience level <input type="checkbox"/> Can reason from findings, <b>with help</b> , to suggest further work	<input type="checkbox"/> Well prepared, reflects an <b>adequate</b> understanding of the question <input type="checkbox"/> <b>Limited</b> familiarity of background appropriate to experience level <input type="checkbox"/> <b>Able to suggest</b> further research	<input type="checkbox"/> Provide a complete description of the question <input type="checkbox"/> Become more familiar with the background material <input type="checkbox"/> Provide at least one suggestion for further research	_____/20
Judge's Constructive Comment/Suggestion:					Judge's Initials