

## Integrated Science Group Project, *Presentation Grading Rubric.* Summer 2010

	16-20 points	11-15 points	6-10 points	0-5 points
<b>A: Introduction: Project overview including STEM disciplines (20)</b>	Clear introduction to project with goals + how STEM disciplines are included in project is clear.	Introduction to project, goals mostly present; STEM items mostly included in project.	Introduction to project + goals are vague; STEM items are incorrect or trivial.	Introduction is lacking; STEM items are not correctly identified, or are missing.
<b>B: Methods : Description of steps taken to solve / address the question. (20)</b>	A summary of the steps taken to solve / study the question is provided in a clear, concise, logical flow, illustrating an understanding of the solution.	A partial summary of the steps taken to solve / study the question is included. A logical flow, illustrating an understanding of the solution is lacking.	Only trivial aspects of the steps taken to solve / study the question are included. No clear understanding of the solution is provided.	Little to no steps taken to solve / study the project question is provided. No clear understanding of the solution is provided.
<b>C: Calculations of identified parameters (20)</b>	Mathematical solutions to identified problems / project components are provided and complete. A clear understanding of the mathematical solution and how they are interrelated with other science and engineering disciplines is demonstrated.	Mathematical solutions to identified problems / components of the project are incomplete. How the mathematical solutions are interrelated with other science and engineering disciplines is weakly demonstrated.	Mathematical solutions to identified problems / components of the project are not relevant or trivial.	Mathematical solutions to identified problems / components of the project are lacking from the project.
<b>D: Future Research : What remains unresolved - but that you considered (20)</b>	A summary of well reasoned and logical considerations based on specific results and/or observations of the project question, demonstrating a strong understanding of the topic and identified unresolved items.	A partial summary of considerations based on results / observations of the project question is provided, a very basic understanding of the topic and unresolved items is illustrated.	Suggestions of items to consider are not well justified, trivial, and demonstrate a weak understanding of the study topic and unresolved items.	Suggestions of unresolved items are not relevant, minimal or are lacking from the project.
<b>E: Major results + Criteria to separate the relevant from the irrelevant? (15)</b>		A strong understanding of the results of the project is presented. Criteria utilized to separate the relevant versus irrelevant parameters and how those help address / answer the group's questions are provided and illustrated.	Results of the project are basic, weak or trivial. Criteria to separate relevant from irrelevant components of the project are misrepresented.	Results of the project are trivial or lacking. Criteria to separate relevant from irrelevant components of the project are completely lacking.
<b>F: Presentation parameters (15)</b>		Presentation within the 13-15 minute window. Flow of presentation illustrated a cohesive "group" presentation. Content of slides and/or other materials were appropriate and reasonable for topic.	Presentation short of 13 minutes. Flow of presentation illustrated a mostly cohesive "group" presentation. Content of slides and/or other materials were mostly appropriate and reasonable for topic & presentation.	Presentation significantly short of 13 or <b>cut off at 15 minutes**</b> . No cohesive "group" presentation. Content of slides and/or other materials were <b>not</b> appropriate: too much text crammed into slides, etc; distracting background; presenters read directly from the slides, etc.
<b>G: References / Citations (15)</b>		Citations, references or illustration of materials examined evident and properly documented.	Citations, references or illustration of materials examined incomplete / or not well documented.	No citations, references or illustration of materials examined evident. = 0

**Totals 125 possible points for the group project.** \*\* (presentation will stop at 15 minutes - devoid material will not be scored).