

<b>STEM Project Name:</b>				
<b>STEM Project Group Number:</b>				
	Developing	Proficient	Commended	Score
<b>Project Display</b>	<ul style="list-style-type: none"> <li>Students failed to use the STEM Project poster template</li> <li>Little or no project data is displayed. No photographs or visuals to convey results/process</li> <li>Graphics are difficult to read, graphs are not labeled, units are not specified</li> </ul>	<ul style="list-style-type: none"> <li>Students used the STEM Project poster template</li> <li>A sufficient and relevant amount of data is displayed. Some photographs, videos, diagrams, and/or models convey results and/or process</li> <li>Graphics are clear and easy to understand</li> </ul>	<ul style="list-style-type: none"> <li>Students used the STEM Project poster template</li> <li>Good quality and significant amount of data is displayed. Many photographs, videos, diagrams, and/or models clearly convey results and process</li> <li>Graphics are clear, comprehensive, and strongly support project results</li> </ul>	
Points	1-----4	5-----7	8-----10	
<b>Presentation/Understanding of Project</b> <ul style="list-style-type: none"> <li>What was the point of this project?</li> <li>What did you learn from this project?</li> <li>What would you change about this project?</li> </ul>	<ul style="list-style-type: none"> <li>Students failed to have professional appearance and to present their project thoroughly and concisely</li> <li>Students do not demonstrate a good understanding of the various aspects of the project. Information is limited; data is inconclusive and cannot communicate relevance of project</li> <li>Questions were answered poorly by few students</li> </ul>	<ul style="list-style-type: none"> <li>Some students had professional appearance</li> <li>To some extent, students presented their project concisely</li> <li>Students demonstrate a good understanding of the project, its relevance, and are familiar with its various stages</li> <li>Various students were able to answer some questions</li> </ul>	<ul style="list-style-type: none"> <li>Each students had professional appearance</li> <li>Student (s) presented their project thoroughly and concisely</li> <li>Students demonstrate a thorough understanding of the project, its relevance, and application</li> <li>Various students in group appeared knowledgeable when answering most of the questions</li> </ul>	
Points	1-----4	5-----7	8-----10	
<b>Critical Thinking/Problem Solving</b>	<ul style="list-style-type: none"> <li>Limited research, background not established.</li> <li>Reasoning is illogical and unclear</li> <li>Poor conclusions are made from experiments/trials</li> <li>Understanding of their data analysis and data results were poor</li> </ul>	<ul style="list-style-type: none"> <li>Topic is supported with some scientific background research</li> <li>Reasoning is logical and clear</li> <li>Some accurate conclusions are made from experiments/trials</li> <li>Understanding of their data analysis and data results were fair</li> </ul>	<ul style="list-style-type: none"> <li>Topic is supported with thorough scientific background research</li> <li>Reasoning is consistent and very good inferences are made</li> <li>Quality conclusions are made from experiments/trials</li> <li>A greater understanding of their data analysis and data results is evident</li> </ul>	
Points	1-----4	5-----7	8-----10	
<b>Creativity and Innovation</b>	<ul style="list-style-type: none"> <li>Predictable-little brainstorming is apparent</li> <li>Duplicates existing technology/methods and contributes very little to existing technology/methods or solving real world problems</li> </ul>	<ul style="list-style-type: none"> <li>Good ideas were generated to develop the project</li> <li>Can justify new applications for existing technology/methods or solving real world problems</li> </ul>	<ul style="list-style-type: none"> <li>Excellent approach that may lead to further study of idea</li> <li>Constructed an innovative application that will clearly have substantial human and/or commercial benefit or solve real world problems</li> </ul>	
Points	1-----4	5-----7	8-----10	
<b>TOTAL</b>				