

## Mission INSPIRE Rubric

<b>Criteria</b>	<b>Superior (9-10 points)</b>	<b>Excellent (6-8 points)</b>	<b>Fair (3-5 points)</b>	<b>Needs a bit more work (0-3)</b>
<b>Scientific Inquiry Components</b>	Student articulated: * independent and dependent variable of the experiment AND * materials used in constructing the rocket AND * control of the experiment AND * hypothesis of the experiment	Student articulated: * independent and dependent variable AND * most materials used in the experiment AND * most of the controlled components of the experiment	Student was unable to: * articulate either the independent or dependent variable OR * discuss the materials used in the experiment OR * accurately discuss the controlled components of the experiment	Student did not include: * any information about the variables OR * any information about the materials used in the experiment OR * a discussion about the controlled variable
<b>Procedures</b>	*The student carefully articulated the step-by-step procedures used for the experiment in a way that could easily be followed by those without knowledge of the work	*Procedures were discussed, but a few steps used in the experiment were missing	*Procedures were discussed however major steps used in the experiment were missing	*Procedures were incomplete or not discussed

<p><b>Data Collection</b></p>	<p>*Data were thoroughly organized and presented in an easy to understand method AND *All data charts/diagrams were labeled correctly and contained the complete data set</p>	<p>*ALL data collected were presented AND *Data charts/diagrams were labeled correctly</p>	<p>*Some data were missing OR *Data charts/Diagrams were incorrectly labeled or missing labels</p>	<p>*Data points were missing OR *Data were not presented using charts/diagrams</p>
<p><b>Use of NEMETH/UEB Symbols</b></p>	<p>*Data were presented using the proper Nemeth or UEB symbols</p>	<p>*Data were presented using proper Nemeth or UEB symbols with less than 5 errors</p>	<p>*Data were presented using proper Nemeth or UEB symbols with less than 10 errors</p>	<p>*Data presented had MANY Nemeth or UEB symbol errors</p>
<p><b>Conclusion</b></p>	<p>*Participant presented a carefully detailed conclusion based upon their experiences and data collection that <i>INCLUDED</i> the scientific inquiry components</p>	<p>*Participant presented a carefully detailed conclusion based upon their experiences and data collection</p>	<p>*Participant presented a conclusion based upon their experiences and data collection</p>	<p>*Participant's conclusion was not directly tied to any component of the project OR Conclusion was missing key data to provide basis for conclusion</p>
<p><b>Display and Articulation</b></p>	<p>*Participant showed <i>exceptional effort</i> in displaying data, articulating the scientific inquiry components and explaining their learning from the project</p>	<p>*Participant showed <i>effort</i> in displaying data, articulating the scientific inquiry components and explaining their</p>	<p>*Participant showed <i>some effort</i> in displaying data, articulating the scientific inquiry components and</p>	<p>* Participant showed <i>little effort</i> in displaying data, articulating the scientific inquiry components and explaining their</p>

		learning from the project	explaining their learning from the project	learning from the project
<b>Originality and Creativity</b>	<p>*Participant showed <i>exceptional creativity</i> in displaying data, articulating the scientific inquiry components and explaining their learning from the project with great originality and creativity AND *Rocket was decorated and designed using a specific theme directly related to the hypothesis of the experiment with originality</p>	<p>*Participant showed <i>creativity</i> in displaying data, articulating the scientific inquiry components and explaining their learning from the project with great originality and creativity AND *Rocket was decorated and designed using a specific theme directly related to the hypothesis of the experiment</p>	<p>*Participant showed <i>some creativity</i> in displaying data, articulating the scientific inquiry components and explaining their learning from the project with great originality and creativity AND *Rocket was decorated and designed for the project</p>	<p>*Participant showed <i>little creativity</i> in displaying data, articulating the scientific inquiry components and explaining their learning from the project with great originality and creativity OR *Rocket was not decorated and designed for the project</p>