

# 8<sup>th</sup> Grade Learning Rubric Innovation or Invention 2014

Score Levels	Rubric	4	3	Notes
	<ul style="list-style-type: none"> <li>Need for Invention or Innovation</li> <li>Systems</li> <li>Process</li> <li>Cause and Effect</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate, in detail, the positive and negative affects of the innovation or invention.</li> <li>Create an analogy to demonstrate the cause and effect relationship associated with the problems solved by the innovation or invention.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss innovation or invention.</li> <li>Analyze the cause and effect relationship associated with the problems innovation or invention and the problem solved.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
	<ul style="list-style-type: none"> <li>Realistic or Workable idea</li> <li>The innovation or invention is a process or system</li> </ul>	<ul style="list-style-type: none"> <li>Include how the innovation or invention is a system or process.</li> <li>How the idea is realistic and workable.</li> <li>Use appropriate content vocabulary properly.</li> </ul>	<ul style="list-style-type: none"> <li>Show how the innovation or invention can a system or process.</li> <li>Idea is somewhat realistic</li> <li>Use appropriate content vocabulary properly.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
	<ul style="list-style-type: none"> <li>Develop Explanations and Design Solutions</li> <li>Effective and Convincing answers</li> <li>Analyze Solutions</li> </ul>	<ul style="list-style-type: none"> <li>Create a scale model plan of the innovation or invention. Model must include an orthographic drawing in detail with all proper annotations.</li> <li>Analyze other solutions to determine validity and practicality.</li> </ul>	<ul style="list-style-type: none"> <li>Develop explanations and design solutions to solve a specific problem involving the innovation or invention. Model must include an orthographic drawing with some proper annotations.</li> <li>Analyze other solutions to determine validity.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
	<ul style="list-style-type: none"> <li>Model/Prototype Functionality</li> </ul>	<ul style="list-style-type: none"> <li>The end product exhibits functionality according to the original specification</li> </ul>	<ul style="list-style-type: none"> <li>The end product meets some functionality according to the original specification</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
	<ul style="list-style-type: none"> <li>Communication</li> <li>Use of Audio/Visual Materials</li> <li>Quality of Presentation</li> </ul>	<ul style="list-style-type: none"> <li>Interpretation of the data makes insightful connections to other content concepts or disciplines (math, LA, SS)</li> <li>Create a proper website meeting all sections of the rubric. Present arguments on disciplinary content that are logical, focused, and supported with sufficient and relevant evidence</li> <li>Team makes an excellent presentation with full confidence and presence in its transitions and use of Audio/Visual Materials</li> </ul>	<ul style="list-style-type: none"> <li>Communicate in a way that is clear, coherent, and confident, and in which the development, organization and style are appropriate to task, purpose, and audience</li> <li>Create a proper website meeting all sections of the rubric Present arguments on disciplinary content that are logical, focused, and supported with sufficient and relevant evidence</li> <li>Team seems somewhat prepared presentation and mostly organized in its transitions and use of Audio/Visual Materials. Some responses are vague.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>