

**Springfield High School of Science and Technology**  
**Critical Thinking/ Problem Solving Rubric**

<b>Criteria</b>	<b>Exemplary 4</b>	<b>Accomplished 3</b>	<b>Developing 2</b>	<b>Beginning 1</b>
<b>Concepts</b>	Creatively and thoroughly demonstrates complete understanding and relationship of complex concepts, hierarchical thinking, and multi-faceted problems employing evaluative synthesis	Completely demonstrates understanding and relationship of complex concepts, hierarchical thinking, and multi-faceted problems	Demonstrates understanding and relationship of complex concepts, hierarchical thinking, and multi-faceted problems	Does not demonstrate an understanding of the relationship of complex concepts, hierarchical thinking, and/or multi-faceted problems
<b>Procedures</b>	Clearly identifies specific problem (s) and integrates complex ideas. Employs formulas, procedures, principles, or themes accurately and/or creatively. Selects sufficient relevant data/information.	Identifies specific problem(s) and integrates complex ideas. Employs formulas, procedures, principles, or themes accurately. Selects sufficient relevant data/information.	Does not necessarily identify specific problem(s) or integrate complex ideas. Employs some formulas, procedures, principles, or themes. May have some inaccuracies and/or insufficient or irrelevant data/information.	Does not identify specific problem(s) or integrate complex ideas. Inaccurately employs formulas, procedures, principles, or themes. Has insufficient or irrelevant data/information.
<b>Analysis</b>	Insightfully and accurately interprets and comprehensively evaluates information, positions, or perspectives that balance opposing points of view	Accurately interprets and comprehensively evaluates information, positions, or perspectives that balance opposing points of view	Weak or incomplete evaluation of information, positions, or perspectives.	Misinterprets or incorrectly evaluates of information, positions, or perspectives
<b>Solutions</b>	Gives exceptionally clear, coherent, and cohesive solutions incorporating the most effective method to solve the problem, explaining multiple solutions the question	Coherent, and cohesive solutions incorporating the effective methods to solve the problem, explaining solutions	May have simple or abbreviated solutions with some minor inconsistencies or omissions.	Has simple or abbreviated solutions with inconsistencies or omissions. Ideas are presented in a fragmented manner with no clear or coherent order
<b>Conclusions</b>	Conclusion is accurate, detailed, complete, well-supported, logically consistent and often unique	Conclusion is generally accurate, complete, logical, and consistent with evidence presented	Conclusion is moderately accurate, complete, logical, and with evidence presented, may have minor inconsistencies or omissions	Conclusion is inaccurate, incomplete, illogical, and inconsistent with evidence presented, may omit a conclusion altogether