

Name: _____

Score: _____

Teacher Name: _____

General Problem Solving Rubric

Expectations	Exceeds Standard 4	Meets Standard 3	Nearly Meets Standard 2	Below Standard 1
Understands the problem and devises a plan <i>Must meet standard on this expectation to meet the overall standard</i>	<p>Skillfully demonstrates a thorough understanding of problem's elements through a variety of strategies.</p> <p>Selects at least one appropriate content-specific problem-solving strategy that utilizes a logical progression/sequence of information and will lead to a logical solution and/or quality product.</p> <p>Skillfully selects and uses a variety of appropriate technologies to plan problem solving strategy when applicable.</p>	<p>Demonstrates understanding of the problem's elements through a variety of strategies, such as summarizing the problem in own words, listing all relevant information, identifying missing information, etc. RI.9-10.2-4; <i>VOG-Critical</i></p> <p>Selects at least one appropriate content-specific problem-solving strategy/plan that utilizes a logical progression/sequence of information and will lead to a logical solution and/or quality product. W.9-10.2, 3; ISTE 4a; <i>VOG-Critical</i></p> <p>Selects and uses a variety of appropriate technologies to plan problem solving strategy when applicable. ISTE4b</p>	<p>Attempts to demonstrate understanding of the problem's elements, but several elements are inaccurate and/or incomplete.</p> <p>Attempts to select at least one appropriate content-specific problem-solving strategy that utilizes a logical progression/sequence of information and will lead to a logical solution and/or quality product, but strategy is inappropriate and/or an essential step in the progression/sequence is either omitted, inaccurate and causes confusion.</p> <p>Attempts to select and use a variety of technologies to plan problem solving strategy but they are inappropriate.</p>	<p>Does not demonstrate understanding of the problem's elements.</p> <p>Does not select an appropriate content- specific problem-solving strategy or progression/sequence is not logical or major omissions exist, which prohibit successful completion of procedure.</p> <p>Does not select and use a variety of technologies to plan problem solving strategy</p>
Implements a plan <i>Must meet standard on this expectation to meet the overall standard</i>	<p>Skillfully fulfills all discipline-specific and task requirements.</p> <p>If applicable, skillfully selects and uses appropriate digital tools to implement and manage the selected problem solving strategy.</p> <p>Skillfully implements the plan of action and content- specific strategy in order to solve a problem.</p> <p>Demonstrates insightful and logical reasoning throughout the problem-solving process to reach accurate and effective solutions.</p> <p>Checks work throughout implementation, revising work as needed.</p>	<p>Fulfills all discipline-specific and task requirements.</p> <p>If applicable, selects and uses appropriate digital tools to implement and manage the selected problem solving strategy. ISTE 4b; <i>VOG-Critical</i></p> <p>Effectively and accurately implements the plan of action and content-specific strategy in order to solve a problem. <i>VOG-Critical</i></p> <p>Demonstrates logical reasoning throughout the problem-solving process to reach accurate and effective solutions with minor errors. W.9-10.2-4; <i>VOG-Critical</i></p> <p>Checks work throughout implementation, revising work as needed. W.9-10.5, ISTE 4d</p>	<p>Attempts to fulfill all discipline-specific and task requirements, but one element may be inaccurate or incomplete.</p> <p>If applicable, attempts to select and use digital tools but they are inappropriate to implement and manage the selected problem solving strategy.</p> <p>Attempts to implement the plan of action and/or content-specific strategy, but errors result in inaccurate solutions.</p> <p>Demonstrates some logical reasoning, but several errors result in inaccurate and/or ineffective solutions.</p> <p>Inconsistently checks work throughout implementation or does not revise work as needed.</p>	<p>Does not fulfill several discipline- specific and task requirements.</p> <p>If applicable, does not select and use any digital tools to implement and manage the selected problem solving strategy</p> <p>Does not implement a plan of action and/or content-specific strategy.</p> <p>Demonstrates little to no logical reasoning.</p> <p>Does not check work and does not revise work as needed.</p>
Reflects on Results <i>Must meet standard on this expectation to meet the overall standard</i>	<p>Skillfully justifies the solution and/or quality product by interpreting data and/or results.</p> <p>Appropriately cites all required information with no errors (when appropriate).</p> <p>Insightfully reflects upon problems, mistakes, or misunderstandings encountered during the problem- solving process</p>	<p>Effectively justifies the solution and/or quality product by interpreting data and/or results. W.9-10.3e; <i>VOG-SDL</i></p> <p>Appropriately cites required information with minor errors (when appropriate). W.9-10.8; RI.9-10.1; RL.9-10.1</p> <p>Reflects upon problems, mistakes, or misunderstandings encountered during the problem-solving process. W.9-10.3e; <i>VOG-SDL</i></p>	<p>Attempts to justify the solution and/or product by interpreting data/results, but some confusion results.</p> <p>Cites most required information, but errors compromise information (when appropriate).</p> <p>Attempts to reflect upon problems, mistakes, or misunderstandings, but some confusion results.</p>	<p>Does not justify solution and/or product.</p> <p>Does not interpret data and/or results.</p> <p>Does not cite sources of information (when appropriate).</p> <p>Does not reflect upon problems, mistakes, or misunderstandings.</p>
Demonstrates understanding of written language conventions if applicable	<p>Demonstrates consistent control of grammar, usage, punctuation, sentence construction, and spelling</p>	<p>Demonstrates control of usage, grammar, punctuation, sentence construction, and spelling. W-10-9.1, 9.2, 9.4, 9.5</p> <p>Occasional errors do not usually interfere with meaning</p>	<p>Demonstrates some control of usage, grammar, punctuation, sentence construction, and spelling.</p> <p>Errors do interfere with meaning.</p>	<p>Demonstrates little control of usage, grammar, punctuation, sentence construction, and spelling.</p> <p>Numerous errors interfere with meaning.</p>