Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Problem Solving Rubric**

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|  | **Proficient with Distinction** | **Proficient** | **Partially Proficient** | **Not Proficient** |
| **Defining and Identifying the Problem** | Describes dilemma accurately and skillfully and artfully explains why it is problematic.  Identifies all components of the problem (possible causes, possible outcomes, etc.) in a skillful manner. | Describes dilemma accurately, and explains why it is problematic.  Identifies all components of the problem (possible causes, possible outcomes, etc.). | Describes dilemma accurately, but fails to explain why it is problematic.  Identifies some components of the problem (possible causes, possible outcomes, etc.). | Describes little or no recognition of dilemma or why it is problematic.  Demonstrates little or no insight into the components of the problem (possible causes, possible outcomes, etc.). |
| **Examination of the Problem** | Brainstorms numerous ways to solve the problem.  Connects background knowledge to problem consistently and skillfully.  Hypothesizes multiple alternative solutions.  Identifies many positive and negative aspects of each solution strategy. | Brainstorms required ways to solve the problem.  Connects background knowledge to problem consistently.  Hypothesizes required possible solutions.  Identifies positive and negative aspects of each solution strategy. | Brainstorms ways to solve the problem, but some do not adequately address the problem.  Connects background knowledge to problem sporadically.  Hypothesizes some possible solutions.  Identifies only one positive and negative aspect of each solution strategy. | Demonstrates little or no effort at brainstorming solution(s).  Demonstrates little or no effort to connect background knowledge to problem.  Demonstrates little or no effort to hypothesize or identify a solution. |
| **Implementation of the Solution** | Gathers numerous pieces of evidence/data.  Demonstrates numerous creative and accurate solution strategies.  Asks for support/help when needed.  Verifies and validates all solutions in a skillful manner. | Gathers required evidence/data.  Demonstrates correct solution strategy(ies).  Asks for support/help when needed.  Verifies and validates solution in a logical manner. | Gathers inadequate amount of evidence/data.  Demonstrates part of a correct solution strategy.  Asks for support/help sometimes.  Attempts to verify solution in a logical manner, but does not complete successfully. | Gathers little or no evidence/data.  Demonstrates little or no attempt at a solution strategy.  Demonstrates little or no recognition of the need for support/help.  Demonstrates little or no attempt to verify solution. |
| **Evaluation of Process and Reflection** | Demonstrates skillful evaluation of relative strengths and weaknesses of solution(s).  Demonstrates thorough evaluation of implementation process.  Demonstrates extensive insight and reflection of process and learning. | Evaluates strengths and weaknesses of solution(s).  Evaluates implementation process.  Reflects on the process and the learning. | Attempts to evaluate strengths and weaknesses of solution(s) with some success.  Attempts to evaluate implementation process with some success.  Reflects on one aspect (process or learning), but not both. | Demonstrates little or no attempt to evaluate strengths and weaknesses of solution(s).  Demonstrates little or no attempt attempts to evaluate implementation process.  Demonstrates little or no attempt to reflects on either process or learning. |

\*Any rows of the above rubric may be used, combined, or deleted, depending on the assessment criteria.