

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

Subject/Teacher \_\_\_\_\_









Assignment \_\_\_\_\_

Date \_\_\_\_\_

### ISAAC Rubric 4: Problem Solving

*Student analyzes and solves problems independently and collaboratively*

*8/2021 Edition*

Criteria	Exemplary	Exemplary	Proficient	Approaching Proficient	Beginning
<b>Grit</b>	<ul style="list-style-type: none"> <li>Works hard on the task and pushes through even when difficulties arise</li> <li>Independently locates resources needed to answer questions</li> <li>Does not ask for help or asks well-defined questions to solve the task</li> </ul>		<ul style="list-style-type: none"> <li>Works hard on the task</li> <li>Locates mostly appropriate resources needed to answer questions.</li> <li>Asks for help or shows attempt to solve the task independently</li> </ul>		<ul style="list-style-type: none"> <li>Gives up quickly, often just wanting someone to give he answer or does not put in effort to solve problem</li> <li>Resources used are not appropriate</li> <li>Asks for help on the majority of the task or does not show attempt to solve independently</li> </ul>
<b>Identify and Analyze the Problem</b>	<ul style="list-style-type: none"> <li>Demonstrates the ability to construct a clear and insightful problem statement with relevant evidence.</li> <li>Clearly identifies and analyzes all relevant information, including data, to solve the problem.</li> </ul>		<ul style="list-style-type: none"> <li>Demonstrates the ability to construct a problem statement with relevant evidence.</li> <li>Clearly identifies and/or analyzes relevant information to solve the problem.</li> </ul>		<ul style="list-style-type: none"> <li>Lacks a problem statement or constructs a problem statement with little to no relevant evidence.</li> <li>Requires assistance to analyze information to solve the problem.</li> </ul>
<b>Solution</b>	<ul style="list-style-type: none"> <li>Clearly and accurately solves the problem</li> <li>Data is accurately labeled and defined</li> <li>All steps are included so the reader does not have to infer how the task was completed</li> </ul>		<ul style="list-style-type: none"> <li>Solves the problem with minor errors that do not take away from the overall quality of the work</li> <li>Data is labeled and defined with minor errors</li> <li>Only some steps are included and the reader must infer how some parts of the task were completed</li> </ul>		<ul style="list-style-type: none"> <li>Solves the problem with more than a few mistakes and/or the mistakes take away from the overall quality of the work</li> <li>Data is missing labels and/or definitions</li> <li>No steps are included</li> </ul>
<b>Justification</b>	<ul style="list-style-type: none"> <li>Explanation elaborately describes process for finding the solution, explains why, and justifies reasoning with details</li> <li>Explains in words what your answer means in the context of the problem</li> </ul>		<ul style="list-style-type: none"> <li>Basic explanation of the process to find the solution in words</li> <li>Explains in words what the answer means with limited context of the problem</li> </ul>		<ul style="list-style-type: none"> <li>Explanation is confusing, incomplete, or missing</li> <li>Does not provide context for the answer</li> </ul>

Additional Comments: