
Student Name

Subject/Teacher

Assignment

Date

TRMC Rubric: Problem Solving

Student will make decisions and solve problems independently and collaboratively.

Criteria	Exemplary 4	Proficient 3	Developing 2
Problem Analysis and Planning	<ul style="list-style-type: none">○ Uses existing knowledge to create well developed questions for investigation○ Creates a plan without assistance○ Locates and uses best resources available	<ul style="list-style-type: none">○ Uses existing knowledge to create appropriate questions for investigation○ Creates a plan with minimal assistance○ Locates and uses appropriate resources	<ul style="list-style-type: none">○ Does not create appropriate questions for investigation○ Needs ample assistance to create a plan○ Resources used are not appropriate
Data Modeling	<ul style="list-style-type: none">○ Arranges data in a format that is logical, appropriate, and accurately labeled○ Defines all of the relationships between the important variables	<ul style="list-style-type: none">○ Arranges data in a format that is logical and appropriate○ Defines the essential relationships between the important variables, but misses advanced	<ul style="list-style-type: none">○ Arrange data in a format that is not logical○ Does not define any relationship between the important variables
Solving with Precision	<ul style="list-style-type: none">○ Clearly and accurately solves the problem without assistance○ Solution and process is error free	<ul style="list-style-type: none">○ Accurately solves the problem with minimal assistance○ Solution process may include minor errors	<ul style="list-style-type: none">○ Incorrectly solves the problem○ Does not present a logical process for solving the problem
Justification and Clarity of Solution	<ul style="list-style-type: none">○ Describes methodology for the solutions, explains why and justifies reasoning with details○ Demonstrates how underlying concepts relate to the problem and makes interdisciplinary connections (when applicable)○ Presents solution and ideas	<ul style="list-style-type: none">○ Describes the process used to arrive at an answer, but provides only some reasoning with details○ Demonstrates how underlying concepts relate to the problem, with minor errors○ Presents solution and ideas to appropriate	<ul style="list-style-type: none">○ Displays limited or no knowledge of how to evaluate arguments○ Does not demonstrate how underlying concepts relate to the problem○ Does not present a solution
Reflection	<ul style="list-style-type: none">○ Reflects throughout the problem-solving process using specific evidence	<ul style="list-style-type: none">○ Reflects on the problem-solving process using specific evidence	<ul style="list-style-type: none">○ Needs assistance reflecting on the problem solving process
Additional Comments			