

SKILL 6: EXPLORE & SOLVE PROBLEMS CREATIVELY

Problem Solving Rubric

CRITERIA	EXCEEDS NM Standard 4	MEETS NM Standard 3	APPROACHING, but does not meet NM Standard 2	Beginning to Learn the NM Standard 1	Not Attempted, Assessable, or Observed 0
EXPLORE Define the Problem	Student constructs a clear and insightful problem statement with evidence of all relevant contextual factors	Student constructs a problem statement that is adequately detailed	Student constructs a problem statement but it is superficial	With assistance, the student can construct a problem statement	Student does not engage in the task
EXPLORE Identify strategies	Student can identify multiple solutions for solving a problem that are feasible within a context	Student can identify multiple solutions, although some are not feasible	Student can identify only a single, feasible approach	Student can identify a single approach, that is not feasible	With assistance, the student can identify a single, feasible approach
EXPLORE Evaluate Potential Solutions	Student can insightfully consider the history of the problem, review logic, examines feasibility, and weighs impact of a solution	Student can thoroughly explain the history of the problem, feasibility, and impact of a solution	Student can evaluate solutions based on one of the listed contextual factors associated with the problem	Student can superficially evaluate a solution and vaguely list factors associated with the problem	With assistance, the student can evaluate a solution and list factors associated with the problem
EXPLORE Solving Problems	Student not only develops a logical, consistent plan to solve a problem, but recognizes consequences of a solution and can articulate reasons for choosing a solution.	Student selects a solution from alternatives and develops a logical, consistent plan to solve the problem	Student considers and rejects less acceptable approaches to solving the problem	Student only considers a single approach to solve the problem	Student, with assistance, can consider a single approach to solve the problem
EXPLORE Implement Solution & Evaluate Outcome	Student implements a solution in a manner that is respectful and responsible. Reviews results and identifies areas in need of further work	Student implements a solution in a manner that is respectful and responsible. Reflects on the experience.	Student implements a solution but does not engage in self-reflection or evaluation	With assistance, student can implement a solution and reflect on the results	Implements a solution in a way that is either disrespectful or irresponsible.
EXPLORE: Consequences	Student can summarize the impact of a solution and weigh the opportunity costs associated with a course of action	Student can identify at least three consequences associated with multiple proposed solutions	Student can identify one consequence associated with each proposed solution	With assistance, student can identify a consequence associated with a proposed solution	Student cannot articulate any consequences associated with a course of action