



## Performance Indicators for Problem Solving:

- A. Observe and evaluate situations in order to define problems.
- B. Frame questions, make predictions, and design data collection and analysis strategies.
- C. Identify and analyze patterns, trends, and relationships in the data or information.
- D. Based on analysis of the data or information, generate options and use evidence to build a case for the best response.
- E. Identify opportunities for innovation and collaboration.
- F. Evaluate the available tools, including technology, and select one to address the problem.
- G. Persist in solving challenging problems, adapting strategies and approaches as needed.

### Task Model

Any performance task (within any subject area) that aims to assess Problem Solving must give students opportunities to demonstrate proficiency in Performance Indicators A-D. Assessment of Performance Indicators E-G could be achieved through reflections on process steps and decisions made in completing the task. (Assessment of Performance Indicators E-G could, alternatively, be achieved through student reflections on other areas of their lives.) Any Performance Assessment that is designed to elicit student work that will allow the student to demonstrate proficiency in

**Problem Solving** must include these elements:

The task must be open-ended & lend itself to many possible solutions.

### In the final product....

- The student defines the problem that he or she is addressing. (Performance Indicator A).
- The student explains his/her research questions, how he or she searched for/gathered information/data and his/her own research. (Performance Indicator B).
- The student interprets, evaluates, and analyzes data/information. (Performance Indicators C & D).
- The student evaluates the effectiveness of several solutions, synthesizes findings to make a claim about the best proposed solution, and supports his/her choice with evidence. (Performance Indicator D).
- The student describes how he or she worked within real-world constraints, sought opportunities for innovation, and modified the approach when things did not work at first. (Performance Indicators E & G).
- The student must explain how and why they selected digital or other tools to help them address the problem. (Performance Indicator F).

