

## Reasoning: Problem Solving

Students' ability to analyze a task, apply tools, execute a plan, and reflect on its effectiveness

Criteria	Proficient (able or skilled)	Developing (progressing)	Insufficient (incomplete or unsatisfactory evidence)
<p><b>task analysis</b> analyzes parameters of task: identifies the problem and sets goals, establishes a process, and recognizes limitations to solve the problem</p>	student identifies the problem, analyzes the goal, steps to completion, and possible limitations of success	student attempts to identify the problem, analyze the goal, steps to completion, and possible limitations of success	student does not demonstrate problem identification, analysis of the goal, steps to completion, or possible limitations of success
<p><b>application</b> applies cognitive and concrete instruments to accomplish tasks</p>	student uses appropriate tools to accomplish tasks	student attempts to use appropriate tools to accomplish tasks	student does not use appropriate tools to accomplish tasks
<p><b>execution</b> follows a process, redirect as necessary, and work systematically toward the goal</p>	student methodically works toward goal; student evaluates steps and takes alternative actions as necessary	student attempts to work toward goal; student attempts to evaluate steps and take alternative actions as necessary	student does not work toward goal; student does not evaluate steps and take alternative actions as necessary
<p><b>reflection</b> evaluates successes, failures, and implications for future tasks</p>	student evaluates the effectiveness of plan and considers implications for future tasks	student attempts to evaluate the effectiveness of plan and consider implications for future tasks	student does not evaluate the effectiveness of plan and consider implications for future tasks