

## WAYS OF KNOWING: SCIENTIFIC AND MATHEMATICAL INQUIRY: DEDUCTIVE

Students will be able to demonstrate an understanding of the uses of deductive reasoning and proof

Criteria	Exceeds Expectations	Meets Expectations	Fails to Meet Expectations
Select Strategy	Student is able to select the best strategy or approach to make a logical argument or solve a problem.	Student is able to select an appropriate strategy or approach to make an argument or solve a problem, but may not choose the optimal strategy.	Student is unable to select an appropriate strategy or approach to make an argument or solve a problem.
Apply Strategy	Student is able to accurately apply logical argumentation to deduce valid conclusions.	Student is able to apply logical argumentation to deduce valid conclusions with only minor errors.	Student is unable to accurately apply logical argumentation to deduce valid conclusions.
Critique Strategy	Student is able to successfully evaluate the validity of a proposed argument or solution and completely justify their reasoning.	Student is able to successfully evaluate the validity of a proposed argument or solution and partially justify their reasoning.	Student is unable to successfully evaluate the validity of a proposed argument or solution.

**POLICY:** For Multiple Choice Tests, the course must have three (3) items (or more) for each objective.

1. 3 out of 3 = exceeds expectations
2. 2 out of 3 = meets expectations
3. 1 or 0 out of 3 = fails to meet expectations

