

Kennedy High School: Critical Thinking and Problem Solving - Math

Goal: 12/16	Exemplary (4)	Proficient (3)	Emerging (2)	Incomplete (1)	Student Score	Teacher Score
Mathematics Knowledge and Thinking	Clear and accurate understanding of the topic.	A functional understanding of the topic.	Partially correct understanding of the topic.	Little or no understanding of the topic.		
Problem Solving	An appropriate and efficient strategy that results in a correct answer.	A strategy that may include unnecessary steps, but results in a correct answer.	A strategy that results in some incorrect answers.	No clear strategy when solving problems.		
Mathematical Modeling/Representations	Clear and accurate understanding resulting in an accurate model.	Adequate understanding resulting in a largely correct model created.	Partial understanding resulting in some difficulty creating a model.	Inaccurate or incomplete understanding resulting in an inaccurate or missing model.		
Reasoning and Communication	Precise use of appropriate math terms and language to communicate the answer. Clear and accurate use of mathematical representations to explain the answer.	Adequate use of appropriate math terms and language to justify the answer. Correct use of mathematical representations to explain the answer.	Misleading or confusing explanations. Partially correct math work used to explain answer.	Incomplete or inaccurate explanations. Incorrect or incomplete mathematical work to explain the answer.		
Total Score (out of 16):						