

PROBLEM SOLVING RUBRIC

Expectation: A Hull High School Student will be a competent problem solver.

	Exceeds Expectations	Meets Expectations	Approaches Expectations	Does Not Meet Expectations
Knowledge (Understand the problem)	Student identifies and demonstrates an understanding of all the concepts and processes necessary to solve the problem.	Student identifies and demonstrates an understanding of most of the concepts and processes necessary to solve the problem.	Student identifies and demonstrates an understanding of some of the concepts and processes necessary to solve the problem.	Student does not identify and does not demonstrate an understanding of concepts and processes necessary to solve the problem.
Data/Information (Collect/ organize the information and devise a plan for solving the problem)	Student collects and efficiently organizes accurate data and/or information and constructs a well-defined plan to solve the problem.	Student collects and organizes generally accurate data and/or information and constructs a plan to solve the problem.	Student collects data and/or information in an attempt to solve the problem.	Student does not collect sufficient data and/or information to solve the problem.
Analysis (Analyze information, solve the problem, and provide evidence and/or reasoning)	Student's analysis is complete, detailed, organized and appropriate for the problem. Final product is accurate and provides clear evidence and reasoning.	Student's analysis is accurate, organized and appropriate for the problem may lack detail. Final product is mostly accurate and provides some evidence and reasoning.	Student's analysis contains errors and/or lack an organized approach to solving the problem. Final product is moderately accurate and provides minimal evidence and reasoning.	Student's analysis is inaccurate, incomplete and/or inappropriate for the problem. Final product is inaccurate and provides no evidence and reasoning.
Communication (Demonstrate understanding)	Student work relates and applies clear and detailed explanations using evidence.	Student work relates and applies clear explanations using evidence.	Student work relates and applies some understanding but limited in the use of evidence.	Student work does not relate or apply an understanding of the problem.

Last Update: October 2012