

Science & Technology					
Bloom	Marzano	Incomplete	Developing	Competent	Exceptional
Remembering & Understanding	Definitions, Terms, Discipline-Specific Vocabulary and Facts associated with subject material used correctly	Student fails to apply any or most scientific terms in the proper context.	Student applies scientific terms some of the time but with incomplete understanding of the underlying concepts. A few terms are used correctly, but many are not or are used in an inappropriate context.	Student applies many of the scientific terms and concepts correctly most of the time and within the appropriate context.	Student shows an exemplary use of scientific terms and concepts of the discipline in multiple appropriate contexts.
Applying	Knowledge Application: Applies Definitions, Terms, Discipline-Specific Facts and Vocabulary in some sort of <i>Procedure or Concrete Application</i>	Student cannot apply scientific terms or concepts to solve problems or follow a procedure.	Student applies scientific terms and concepts correctly and can use them to solve problems or follow a procedure in limited instances.	Student applies scientific terms and concepts to solve a simple problem or follow a procedure with competence.	Student applies scientific terms and concepts to solve complex, defined problems or applications. Has mastered both the discipline-specific terms and fully integrated them into a process.
Analyzing & Evaluating	Critical Thinking: Utilizes Discipline-Specific, Definitions, Terms, Facts. Applies them critically through organizational patterns: 1. Comparing & Contrasting 2. Classifying 3. Induction, 4. Deduction 5. Error Analysis 6. Constructing Support 7. Abstracting 8. Analyzing Multiple Perspectives	Students cannot interpret data and/or solve complex problems.	Student can apply critical thinking to analyze data and to apply scientific terms and concepts to solve simple problems in some instances but lacks fluid response to critical thinking challenge.	Student competently uses at least one mode of critical thinking to analyze data and to apply scientific terms to solve simple and some complex problems but not all required for mastery.	Student employs multiple modes of critical thinking to analyze data and to apply scientific terms and concepts to solve complex problems.
Creating	Advanced Application of Knowledge: Combines knowledge, process, and critical thinking to reach complex intellectual goal(s) using one of the following: 1. Advanced Decision Making 2. Investigation 3. Experimental Inquiry	Student cannot use the scientific method and/or cannot evaluate experimental solutions.	Student can partially apply the scientific method to solve familiar problems but cannot evaluate experimental solutions.	Student applies the scientific method to solve a novel problem and is able to evaluate simple solutions.	Student applies the scientific method to solve a novel problem and to evaluate more complex solutions.

	4. Problem Solving 5. Invention				
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