

**California State University, Fresno
General Education Scoring Guide for Integrative Science**

Scoring Level	Science and Society	Basic Concepts and Fundamental Principles	Scientific Approach	Nature of Science
4 - Accomplished	Develops and defends an informed position, integrating values, science, and technology.	Integrates and applies basic scientific concepts and principles.	Demonstrates comprehension of the scientific approach; illustrates with examples	Demonstrates scientific reasoning across multiple disciplines.
3 - Competent	Correctly describes perspectives concerning the scientific aspects of a societal issue.	Shows clear comprehension of basic scientific concepts and principles.	Accurately expresses concepts relating to the scientific approach	Interprets and relates scientific results in a way that shows a clear recognition of the nature of science.
2 - Developing	Recognizes the place of science in human affairs, but is unable to communicate its roles.	Able to state basic scientific concepts and principles.	Uses vocabulary related to scientific methods in a rote manner or showing simple conceptualization	Provides simplistic or incomplete explanations of the nature of science.
1 - Beginning	Does not visualize a role or need for science in human affairs.	Lacks understanding of basic scientific concepts and principles.	Shows minimal understanding of scientific methods	Does not distinguish between scientific, political, religious, or ethical statements.

<http://www.csufresno.edu/cetl/assessment/> (click on IBScoring.doc)