

Revised Natural Science Learning Objectives

Overarching goals of the new Core addressed by the Natural Science core requirement: *Scientific Inquiry, Complexity, Critical Thinking, Mathematical & Quantitative Reasoning*

- Goals: Scientific Inquiry, Complexity, Critical Thinking, Mathematical & Quantitative Reasoning
- Objectives: Students will
 - 1.1 Demonstrate a basic understanding of the theory and concepts central to the study of a particular topic or discipline in the natural sciences. (Scientific Inquiry, Complexity, Critical Thinking)
 - 1.2 Apply scientific reasoning and methods of inquiry, such as formulating testable hypotheses, designing informative experiments, or collecting experimental or observational data that explain phenomena in the natural world. (Scientific Inquiry, Complexity, Critical Thinking)
 - 1.3 Interpret scientific data, qualitatively and quantitatively, in order to derive conclusions consistent with the scope and quality of data. (Scientific Inquiry, Complexity, Critical Thinking, Mathematical & Quantitative Reasoning)
 - 1.4 Recognize limitations of experimental and observational methods and understand concepts of probability, causation, and correlation. (Scientific Inquiry, Complexity, Critical Thinking, Mathematical & Quantitative Reasoning)