Science Competency

Outcomes

Developed by the Science Faculty Panel
revised September 25, 2012

• Explain how scientific explanations are formulated, tested, and modified or validated
• Distinguish between scientific and non-scientific evidence and explanations
• Apply foundational knowledge and discipline-specific concepts to address issues or solve problems
• Apply basic observational, quantitative, or technological methods to gather data and generate evidence-based conclusions
• Use current models and theories to describe, explain, or predict natural phenomena
• Locate reliable sources of scientific evidence to construct arguments related to real-world issues