

**FIGURE 4.1**  
Sample Syllabus with Evidence

**Outcome 1A**

- 1) Describe the essential attributes of the scientific way of knowing and compare and contrast the scientific and popular meanings of "hypotheses" and "theories."

**Selected Examples of Evidence**

Quiz	Exam	Interview
Worksheet	Debate	Paper
Popular press review	Role play	Written story that explains the difference

**Outcome 1B**

- 2) Use the scientific method of inquiry and standard scientific techniques to answer questions about physical, biological, or social processes.

**Selected Examples of Evidence**

Research project	Poster	Demonstration
Diagram	Video	Critical review
Term paper	Web page	Examination
Community problem solving		

**Outcome 1C**

- 3) Explain how peer review contributes to the reliability of scientific knowledge.

**Selected Examples of Evidence**

Essay examination	Debate of the pros and cons of peer review
Experiment	Lesson plan incorporating peer review
Story about the peer review process	Poster presenting a model of the peer review process

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