

Scientific Reasoning Competency

Assessment Update, Draft Spring 2015

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Faculty Senate Academic Outcomes Assessment Committee
Planning, Assessment & Analysis

How we assess the Scientific Reasoning competency?

Indirect Evidence

Direct Evidence

Millersville's Pre-Test / Post-Test Exam

Embedded Exam Questions
aligned with competency elements



Millersville's Course Embedded Pre Test/Post Test

- Created fall 2014 by Science faculty after attending national STEM conference
- Piloted in ESCI courses, spring 2015
- Assesses concepts that include