Improving Critical Thinking through the Assessment of High-Impact Practices

ASSESSING CRITICAL THINKING

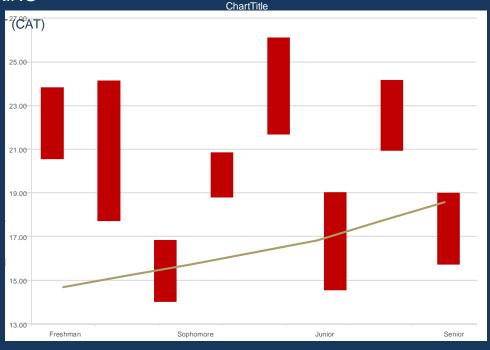
CRITICAL-THINKING ASSESSMENT T

- 9 Developed by faculty from a wide variety of institutions and disciplines.
- 9 Guided by experts in the cognitive/learning sciences and assessment fields.
- 9 Supported by the National Science Foundati (NSF).

An effective tool to assess critical thinking (CT) variety of disciplines and a means to h researchers and faculty identify effective strate to improve students' CT skills.

IMPROVING CRITICAL THINKING

Ongoing work in the Center for Assessment as other projects, some funded by NSF, that making significant progress in improving stude CT skills. These collaborations are providing u information to transform educational practices.



SKILLS EVALUATED BY THE (

EVALUATING INFORMATION

Separate factual information from inferences

Interpret numerical retionships in graphs.

Understand the limitation of correlational data

Evaluate evidence and identify inappropriate conclusions.

CREATIVE THINKING

Identify alternative interpretations for data or observations.

Identify new information that might support o contradict a hypothesis.

Explain how new information can change a problem.

LEARNING & PROBLEM SOLVING

Separate relevant from elevant information.

Integrate information to solve problems.

Learn & apply new information.

Use mathematical skills to solve real-world problems.

COMMUNICATION

Communicate ideas effectively.

