

Integrated Learning Assessment (ILA)

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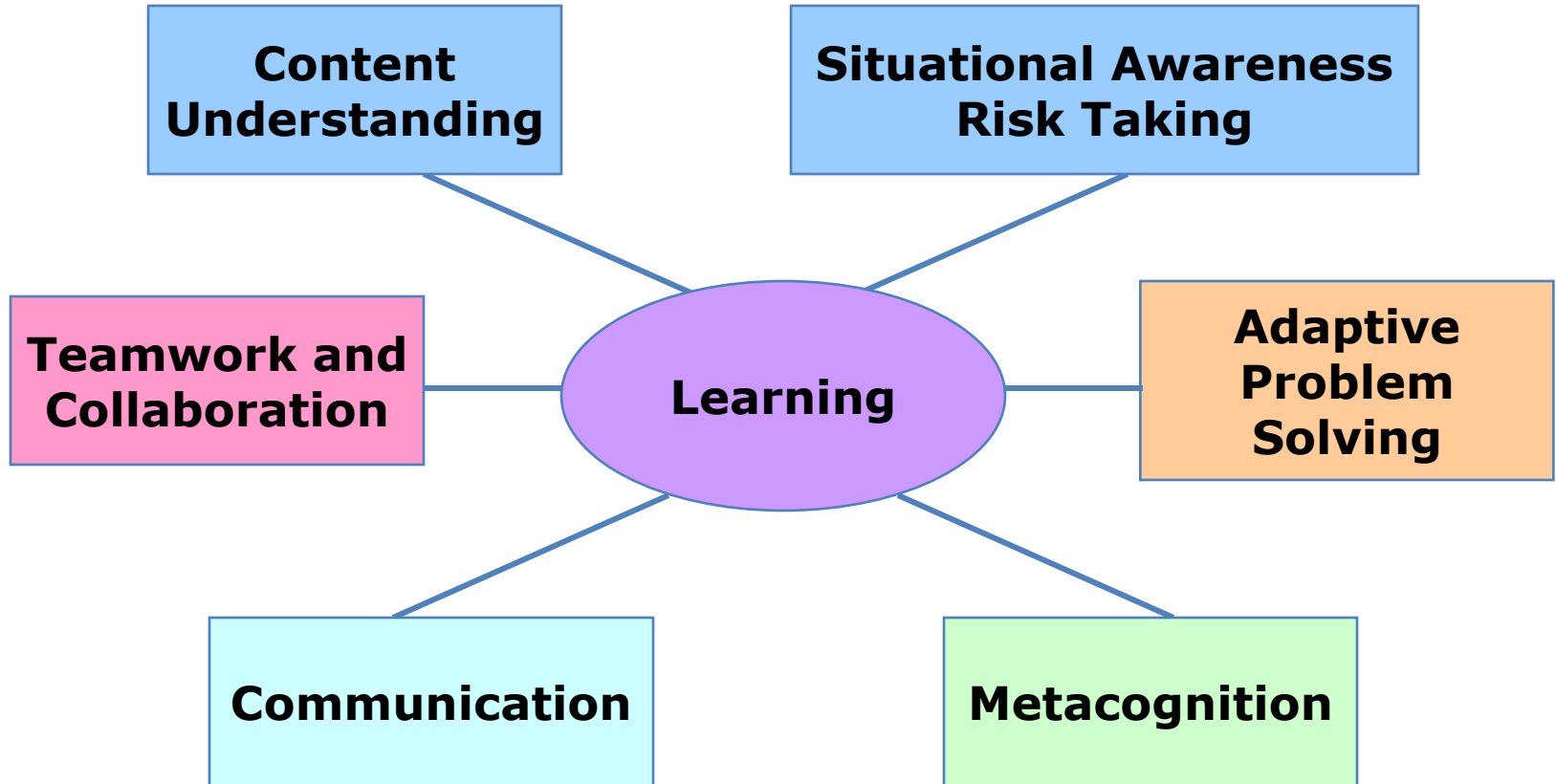
National Center for Research
on Evaluation, Standards, & Student Testing



Integrated Learning Assessment: Content and 21st Century Skills¹

- What: Learning-based task design
- Derived from CRESST assessment models (Baker et al)
- Integration of content: Standards-based, academic content, reading and writing
- Integration of 21st century skills: metacognition, communication, decision making problem solving
- Incorporates learning principles: value of explanation, schema development, transfer
- Grain size: adaptable, builds on prior concept development, continually evolving 21st century skill development
- Variations: social context, personalization, diagnosis, self/peer assessment

CRESST Cognitive Families



Task Design Perspective

- Task design incorporates key learning features
- Reusable shells
 - Promote coherence across levels
 - Adapted to serve multiple purposes
- Scalable

Core ILA Architecture

- Major topic/concept aligned with standards
- Variety of texts (excerpts), potentially including multiple media and multiple forms of representation
 - Meta-cognitive monitoring/reading process
 - Comprehension questions
- Essay prompt
 - Establishes audience, purpose
 - Asks for explanation, argument, problem-solving and/or decision-making, communication
 - Asks for integration with prior knowledge

US History Example

- Standard/Topic: World War II: Constitutional issues and impact of events on US home front
- Historical analysis skills: historical research, evidence, point of view, bias, interpretation
- Reading and writing standards
- Texts: newspaper article, letter, data table

US History Prompt

- Imagine you're a journalist
- Write an article about challenges facing African Americans on the home front during WWII
- Include discussion of migration, labor discrimination, racial violence

Biology Example

- Topic: Genetics/biotechnology
- Texts: Articles, online lessons on crop technology, figures illustrating Mendelian genetics and genetic engineering, diverse opinions on genetic engineering
- Prompt: Imagine you are a biologist, a farmer comes to you for advice on using genetic engineering to protect her potatoes from beetles. Write a report.....

Sample Scoring Criteria

- Based on expert-novice studies: criteria/characteristics that differentiate performance
- Content understanding: Concepts/principles, prior knowledge; argumentation; use of texts; misconceptions
- Communication quality: organization, coherence, support, grammar/mechanics
- Depending on task: problem solving, decision-making, innovation, use of media, etc.