

Learning About Student Learning: As* @#m%nt



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Learning About Student Learning:

~~As*#@#m%ont~~

Assessment

Learning Outcome #1: Discuss the following types of assessment: direct, indirect, formative, summative, qualitative, quantitative.

Learning Outcome #2: Practice the following specific types of assessment strategies and tools: Poll Everywhere, “popcorn” activity, ZipGrade, minute paper.

Learning Outcome #3: Relate assessment tools to the appropriate assessment type.



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Poll Everywhere:

- Allows anonymity
- Students can see other responses
 - Useful for large classes
- Instructor can immediately respond

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Direct vs Indirect Assessment:

Direct Assessment *tangible, visible, self-explanatory, "a skeptic would accept it"*

- Scores on exams
- Observations of student behavior (such as a presentation or a lab skill)
- Capstone experience (such as a project or presentation) scored with a rubric

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Direct vs Indirect Assessment:

Indirect Assessment *proxy signs that students are probably learning. Less convincing, but can be valuable in assessing attitudes and perceptions.*

- Course grades
- Graduation rates
- Admission rates into transfer institutions

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Direct vs Indirect Assessment: Which is it?

- Course grades
- Scores on exams
- Observations of student behavior (such as a presentation or a lab skill)
- Graduation rates
- Capstone experience (such as a project or presentation) scored with a rubric
- Admission rates into transfer institutions
- Questions on end-of-course student evaluations that ask about the course

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Formative vs Summative Assessment:

Formative Assessment

- *Done 'midstream' while learning is taking place*
- *Instructor can promote learning of current students by making changes to class activities and assignments*
- *"Are students getting it?"*

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Formative vs Summative Assessment:

Summative Assessment

- *Assessment of knowledge and skills they have and can take with them when they have completed a unit or course or program.*
- *Students may not receive feedback from this type of assessment*
- *“Did students get it?”*

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Qualitative vs Quantitative Assessment:

Quantitative Assessment *Uses structured response options that can be summarized into meaningful numbers, and analyzed statistically.*

- Test scores
- Performance Indicators
- Rubric scores
- Survey ratings

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Qualitative vs Quantitative Assessment:

Qualitative Assessment *Flexible, analyzed by looking for patterns or themes.*

- Reflective writing
- Focus groups
- Journals
- Observations of D2L discussion threads

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Learning Outcome #3: Relate assessment tools to the appropriate assessment type.

We’ve talked about direct vs indirect, and qualitative vs quantitative, and I’m wondering: “Did you get it?”

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Zip Grade

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Minute Paper