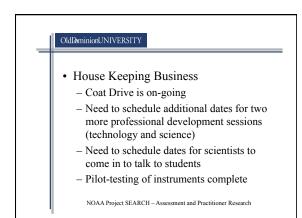
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## NOAA BWET Project SEARCH

Assessment and Practitioner Research

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Department of STEM Education and Professional Studies



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## Formative and Summative

- Formative part of a refinement process, usually not graded, never represents final grade
- Summative final grade/assessment

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## Pre and Post Assessment

- Pre-assessment completed prior to instruction to gauge students' knowledge and understandings
- Post-assessment completed after instruction to gauge students' mastery of facts, processes, and/or concepts

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# OldDminionUNIVERSITY Traditional Assessments • Traditional - includes multiple choice, true/false, and fill-in-the-blank • Focuses on memorization of facts

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#### Alternative Assessment

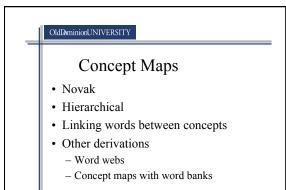
- Alternative includes everything else... concept maps, essay, short answer, drawings, portfolios, self-assessments, performance-based assessments, interviews, etc
  - Focuses on conceptual understanding... for example, multiple-choice can be alternative if constructed to assess conceptual understanding

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# Assessment Activity

- In groups, review the assessments on the table.
- Individually construct a chart that lists what you feel are pros and cons for each example using one of the white boards around the room.
- In a whole group we will discuss your reasons and determine if they are "good" or "bad", formative or summative, pre or post, and traditional or alternative. NOAA Project SEARCH – Assessment and Practitioner Research



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## Practitioner Research

- Action Research vs Practitioner Research
- Practitioner Research studies must be completed by Fall 2010
- Components of Practitioner Research (see template provided)

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