Assessment and the New BC Curriculum: An Exploration

Webinar #1
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Tom Schimmer
Assessment in the Age of Accelerations

“When fast gets really fast, being slower to adapt makes you really slow – and disoriented.”

- Thomas Friedman

“If the technology platform for society can now turn over in five to seven years, but it takes ten to fifteen years to adapt to it, we will all feel out of control, because we can’t adapt to the world as fast as it’s changing.”

- Eric Teller
  CEO of Google’s X Research

Performing Under Pressure (Weisinger & Pawliw-Fry, 2015)

- **STRESS**: Situation of too many demands and not enough resources.
- **PRESSURE**: Situation where something at stake is dependent on the outcome of your performance.
“When we confuse daily stressful situations for pressure moments, we react physically, mentally, and behaviorally in ways that are out of proportion to the circumstances. The danger lies in the fact that continually confusing stress for pressure habituates, and we lose the ability to think clearly. Misdiagnosing stress as pressure reduces our abilities needlessly.”

- Weisinger & Pawliw-Fry, 2015

The COTE of Armor (Weisinger & Pawliw-Fry, 2015)

- Confidence
- Optimism
- Tenacity
- Enthusiasm

Six Tenets & Critical Competencies (Erkens, Schimmer, & Vagle, 2019)

- Assessment purpose:
  Still necessary to unpack/repack; still necessary to balance FA with SA.

- Assessment architecture:
  Ensure that tasks are well designed to elicit authentic, sophisticated evidence of thinking.

- Accurate interpretation:
  Accurate inferences and interpretations by the teacher will be necessary since performance assessment is likely to be prominent.

- Instructional agility:
  Make ‘real-time’ maneuvers based on emerging results, evidence, or revelations; students as critical thinkers.

- Communication of results:
  Feedback (and verification) of strengths and areas in need of strengthening as students develop the skill/will of the competencies.

- Student investment:
  Student-driven, metacognitive experiences make it essential that students learn how to own & invest in their development.

“The accuracy of summative judgments depends on the quality of the assessments and the competence of the assessor.”

- Connie Moss (2013)
Pause & Ponder

What are 3 aspects of sound assessment that your district/school can immediately capitalize on?

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What are 2 aspects of sound assessment that your district/school needs to be more consistent with.

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What is 1 aspect of sound assessment that your district/school needs to give more attention to?

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____________________________________________________________________________________
____________________________________________________________________________________
Repurposing the Means and Ends

21st Century Learning
(MEANS & ENDS Switching Places)

Curricular Content
- English
- Social Studies
- Math
- Science
- Languages
- P.E.
- Fine & Applied Arts

Core Competencies
- Critical Thinking
- Creative Thinking
- Communication (Collaboration)
- Positive Personal & Cultural Identity
- Personal Awareness & Responsibility
- Social Responsibility


- **Generalist** view of critical thinking would have discrete skills being easily transferable so that once learners know how to think critically they can and will apply it across multiple settings and disciplines.

- **Specifist** view would have critical thinking skills tied to a specific subject, which would make critical thinking skills context dependent instead of easily transferrable; that thinking always involves thinking about something.

Implication for Schools

- Balance is most favourable.
- **Generalist approach** when identifying the skills of a critical thinker.
- **Specifist approach** in having those generic skills taught throughout specific-subject domains.
- Emphasizes the application of critical thinking skills.
- Defining critical thinking is meant to bring some necessary clarity to a somewhat abstract concept.

“The formative and summative purposes of assessment can be so intertwined that they are mutually supportive rather than conflicting. Unless this is done, formative assessment cannot achieve its full potential to improve learning,

-Paul Black (2013)
Pause and Ponder

- What steps have you already taken to repurpose content knowledge as a means to the competencies?
- What steps could you take to further repurpose content knowledge as a means to the competencies?

Performance Assessment

“Performance assessments are demonstrations of mastery that emulate the context or conditions in which the intended knowledge or skills are actually applied.”

-AERA, APA, & NCME, 1999

Why Performance Assessment (Linn, 1993)

1. Allow for demonstrations of important and meaningful learning targets that cannot be easily assessed with other formats.
2. They serve as exemplars of tasks that stimulate and enrich learning rather than just serve as indicators of learning.
3. They help shape sound instructional practices by modeling to teachers what is important to teach and to students what is important to learn.

<table>
<thead>
<tr>
<th>Intent (Lane, 2010)</th>
<th>Clarity (Mislevy, Steinberg, &amp; Almond, 2003)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Generalization?</strong> Then adequate sampling across the domain or discipline is required.</td>
<td>• We must be clear on both the content and the cognitive processes that are being assessed.</td>
</tr>
<tr>
<td><strong>Finite performance?</strong> Then more specific tasks &amp; criteria are more appropriate.</td>
<td>• What performances will reveal a level of proficiency with that content and/or cognitive processes.</td>
</tr>
<tr>
<td><strong>Formative?</strong> Then a much narrower scope is more fitting.</td>
<td>• What tasks will most likely lead to those performances.</td>
</tr>
</tbody>
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The biggest mistake teachers make when they use rubrics with performance assessment is that they focus on the task, the product, and not the learning outcome or proficiency the task is supposed to get students to demonstrate.”

-Susan Brookhart, (2013)
Analyzing and Interpreting Data Analytic Rubric

<table>
<thead>
<tr>
<th>Initiating</th>
<th>Developing</th>
<th>Achieving</th>
<th>Advancing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organizing &amp; Presenting data</td>
<td>There are significant omissions or inaccuracies that interfere with the overall understanding of what is presented.</td>
<td>There are often omissions or inaccuracies that interfere with the overall understanding of what is presented.</td>
<td>There may, at times, be some minor omissions or inaccuracies, but nothing that interferes with overall understanding.</td>
</tr>
<tr>
<td>Making sense of data</td>
<td>Recognizes only the most straightforward patterns and big ideas.</td>
<td>Recognizes some patterns and a few big ideas.</td>
<td>Recognizes important patterns and the crucial big ideas.</td>
</tr>
<tr>
<td>Evaluating the quality of the data</td>
<td>Knows that critiquing the quality of evidence gathered is important, but rarely does it with any kind of precision; challenged to recognize why evidence lacks credibility.</td>
<td>Understands the importance of critiquing the quality of evidence gathered, but only does it under the most obvious circumstances; is able to explain why evidence lacks credibility when it’s glaring.</td>
<td>Critiques the quality of evidence gathered to ensure accuracy, relevance, and validity; is often able to explain why evidence lacks credibility.</td>
</tr>
<tr>
<td>Deriving meaning from the data</td>
<td>Draws only the most obvious conclusions that are overly simplistic; some conclusions are inaccurate</td>
<td>Inferences and conclusions are somewhat accurate, but often vague.</td>
<td>Inferences and conclusions drawn from data are accurate, but sometimes narrow in focus.</td>
</tr>
<tr>
<td>Making data-based decisions</td>
<td>Rarely justifies decisions or solutions with accurate and relevant information; few new insights are identified and the limits of most other possible decisions or outcomes are ignored.</td>
<td>Sometimes justifies decisions or solutions with accurate and relevant information; insights are narrow, and the limits of most other possible outcomes are superficially acknowledged.</td>
<td>Often justifies decisions or solutions with accurate and relevant information; explains new insights and recognizes the limits of most other possible decisions or outcomes.</td>
</tr>
</tbody>
</table>

Source: Erkens, Schimmer, & Vagle (2019)
## Analyzing and Interpreting Single-Point Rubric

<table>
<thead>
<tr>
<th>Specific aspects in need strengthening</th>
<th>Advancing</th>
<th>Specific aspects of strength</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gathering data:</strong> Consistently gathers an appropriate amount of evidence.</td>
<td><strong>Advancing</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Organizing &amp; Presenting data:</strong> Data is consistently well organized and presented in a logical way that makes it easy to understand.</td>
<td><strong>Specific aspects of strength</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Making sense of data:</strong> Recognizes insightful patterns and the inconspicuous big ideas.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Evaluating the quality of the data:</strong> Critiques the quality of evidence gathered to ensure accuracy, relevance, and validity; is able to thoroughly and consistently explain why evidence lacks credibility.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Deriving meaning from the data:</strong> Inferences and conclusions are accurate and comprehensive.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Making data-based decisions:</strong> Consistently justifies decisions or solutions with accurate and relevant information; thoroughly explains new insights and recognizes the limits of all other possible decisions outcomes.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Source: Erkens, Schimmer, & Vagle (2019)*

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### Pause and Ponder

What are some of the successes you’ve had with eliciting authentic, sophisticated evidence through performance assessments (i.e. PBL?)

What are some of the challenges you’ve faced with trying to elicit authentic, sophisticated evidence through performance assessments (i.e. PBL?)
## Assessment Tenets Survey

<table>
<thead>
<tr>
<th>Expertise</th>
<th>Essential Assessment: Six Tenets for Bringing Hope, Efficacy, and Achievement to the Classroom</th>
<th>Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Assessment Purpose: Understanding our assessment purpose means we have clear picture of how we intend to use the emerging assessment results before the assessment. The formative purpose of assessment is about continual learning; the summative purpose is about the verification of learning. Though they serve a different purpose, formative and summative assessment can develop a seamless, mutually supportive relationship.</td>
<td>C</td>
</tr>
<tr>
<td>P</td>
<td>Assessment Architecture: Assessment is most effective when it is planned, purposeful, and intentionally sequenced in advance of instruction by all of those responsible for the delivery. Assessment Architecture is a blueprint that tightly sequences essential standards; teases out learning targets; identifies the assessments that reflect learning targets; and determines the use of assessments.</td>
<td>U</td>
</tr>
<tr>
<td>D</td>
<td>Accurate Interpretation: The interpretation of assessment results must be accurate, accessible, and reliable. This means the items and tasks in our assessments must accurately reflect the standards we are gathering information on. Essential to the accurate interpretation is clear criteria, aligned inferences of what the criteria represents, and the continual calibration to avoid inconsistencies or tangential influences.</td>
<td>S</td>
</tr>
<tr>
<td>N</td>
<td>Instructional Agility: Being instructionally agile means teachers have the capacity to use emerging evidence to make real-time modifications within the context of the expected learning. Whether at the classroom or school level, the true power of assessment comes when emerging results are used to determine what comes next in the learning.</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>Communication: The communication of assessment results must generate productive responses from learners and all stakeholders who support them. Whether through feedback or grades, the communication of proficiency must serve as a catalyst for continual learning.</td>
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<td></td>
<td>Student Investment: There is a symbiotic relationship between assessment and self-regulation. When learners understand this, they are able to track their progress, reflect on what they are learning and where they need to go next.</td>
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</tbody>
</table>
### Rubric Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Advantage</th>
<th>Disadvantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytic</td>
<td>Breaks down the criteria into specific aspects of quality</td>
<td>Specificity as to what is strong and what needs strengthening; excellent for formative assessment.</td>
<td>Challenging to create. Can be cumbersome for summative assessment, especially when an overall level of quality is being determined/recorded.</td>
</tr>
<tr>
<td>Holistic</td>
<td>Provides a much broader, overall description of quality along several levels (i.e. 3-5)</td>
<td>Reliability with scoring inferences is much more readily attained; excellent for summative assessment.</td>
<td>The lack of detail makes them a challenge to use for instruction and feedback purposes.</td>
</tr>
<tr>
<td>Single-Point</td>
<td>Breaks down the criteria into specific aspects of quality, but only describes the highest level of proficiency.</td>
<td>The space beside each specific aspect is used for personalized comments on what is strong and what needs strengthening.</td>
<td>Significantly more time consuming to complete, which could increase the turnaround time for feedback.</td>
</tr>
</tbody>
</table>

*Adapted from: Balch, Blanck, & Balch, 2016*
References


