The 5 Formative Assessment Strategies to Improve Student Learning

In Dylan Wiliam’s new book, Embedded Formative Assessment, he provides the 5 strategies that he has come to believe are core to successful formative assessment practice in the classroom:

1. Clarifying, sharing, and understanding learning intentions and criteria for success – getting the students to really understand what their classroom experience will be and how their success will be measured.

2. Engineering effective classroom discussions, activities, and learning tasks that elicit evidence of learning – developing effective classroom instructional strategies that allow for the measurement of success.

3. Providing feedback that moves learning forward – working with students to provide them the information they need to better understand problems and solutions.

4. Activating learners as instructional resources for one another – getting students involved with each other in discussions and working groups can help improve student learning.

5. Activating learners as owners of their own learning – getting students to become owners of their own learning can not only help students take responsibility for their own learning, but can lead directly to improved student performance.

A free webinar by Dylan Wiliam emphasizing the clear understanding of formative assessment and giving some practical strategies is available at: http://info.nwea.org/FY2012WinterCampaignKLTWebinar2On-demandRegistration.html?

Information from this article is from the Northwest Evaluation Association website: http://www.nwea.org/
Academic Vocabulary and the Common Core State Standards

The Common Core Standards for English Language Arts emphasize the teaching of academic vocabulary (Tier 2 Words). As defined by Isabel Beck in Bringing Words to Life, academic vocabulary includes:

- Words likely to appear frequently in a wide variety of texts/disciplines (utility and importance)
- Words necessary for understanding a text and which allow for rich representation (instructional potential)
- Words that relate to other words and offer students more precise ways of referring to ideas about which they already know (conceptual understanding)
- Words that relate to other words that the students know or have been learning
- What does the word choice bring to the text? What role does the word play in communicating the meaning of the context in which it is used?

Consider the following questions when determining which Tier 2 Words to choose for instruction:

- How generally useful is the word? Is it a word that students are likely to see often in other texts?
- How does the word relate to other words that the students know or have been learning?
- What does the word choice bring to the text? What role does the word play in communicating the meaning of the context in which it is used?


Vocabulary Strategies for Fifth Grade

Feezell (2012) outlines a five day plan to teach vocabulary.

Day 1: Students select words from their reading and place words on a sticky note with their name and where they found the word. The teacher then selects words from the ones chosen by students to place on the Word Wall.

Day 2: Students complete a think-pair-share and finish sentences using the words. Responses are recorded.

Days 3 and 4: Students participate in a variety of word study activities and review previously learned words.

Day 5: The teacher assesses students’ understanding by presenting questions whose answers are words from the word wall.


Coming Soon...

The ELA Content Area Specialists will be hosting another professional development opportunity with several one day stops around the state. The cost will be minimal and registration is now open. Content will be geared towards the CCSS shifts and updates that PARCC has made regarding assessments. Breakout sessions will be offered along with lunch.

New ISBE Winter/Spring Series: ELA Common Core Shift Training Sponsored by the Illinois State Board of Education

Dates and Locations

Mar 21st: Rockford
Mar 22nd: Moline
Apr 9th: Gurnee
May 1st: Peoria
May 2nd: Urbana
May 3rd: Chicago/Midway

Registration details can be found at the following link: http://conferences.illinoisstate.edu/ela/
Focus on Mathematical Practice 6

The sixth Math Practice Standard, **Attend to Precision**, means mathematically proficient students use clear definitions in discussions with others and in their own reasoning. Students state the meaning of symbols they choose, including using the equal sign consistently and appropriately. They carefully specify units of measure, and label axes to clarify the correspondence with quantities in a problem. They calculate accurately and efficiently, express numerical answers with a degree of precision appropriate for the problem context.

This practice standard is much more about precision in language and communication than it is about accurate calculations. Students should be sharing ideas using grade appropriate concise language and descriptions. Tasks may require the student to present solutions to multi-step problems in the form of valid chains of reasoning, using symbols such as **equal signs** appropriately.

“Education is not the filling of a pail, but the lighting of a fire.”

William Butler Yeats

Fluency Expectations in 5th Grade

**5.NBT.5** Fluently multiply multi-digit whole numbers using the standard algorithm. This means accuracy, efficiency, and flexibility (using strategies such as distributive property or breaking numbers apart also using strategies according to the numbers in the problem, 26 x 4 may lend itself to (25 x 4) + 4; another problem might lend itself to making an equivalent problem 32 x 4 = 64 x 2)).

This standard builds upon work with multiplication in 3rd & 4th grade. In 4th grade, students developed understanding of multiplication using various strategies. While the standard algorithm is mentioned, alternative strategies are appropriate to help students develop conceptual understanding.

**Computation algorithm:** a set of pre-defined steps applicable to a class of problems that gives the correct result in every case when the steps are carried out correctly.

**Computation strategy:** Purposeful manipulations that may be chosen for specific problems.

(Progressions for the CCSSM; Number and Operation in Base Ten, CCSS Writing Team, Apr 2011, p. 2) http://www.ncpublicschools.org/docs/acre/standards/common-core-tools/unpacking/math/5th.pdf

PARCC Updates

PARCC (Partnership for Assessment of Readiness for College and Careers) is actively working on producing computer-innovative assessments for 21 states and the District of Columbia. If you have not already had an opportunity to explore their website, check it out at parcconline.org. The many resources available include the Model Content Frameworks, Item Prototypes, Performance Level Descriptors, Assessment Reference Sheet, Calculator Policy and Technology Guidelines.

No calculators will be allowed for grades 3-5 (exceptions for those needing accommodations are being discussed). The Model Content Frameworks for 5th grade provide Examples of Key Advances, Fluency Expectations or Examples of Culminating Standards, Examples of Major Within-Grade Dependencies, Examples of Opportunities for Connections among Standards, Clusters or Domains, Examples of Opportunities for In-Depth Focus, Examples of Opportunities for Connecting Mathematical Content and Mathematical Practices, and Content Emphasis by Cluster. This is a great tool to help educators have a better understanding of what will be assessed by PARCC.
A wise teacher once said that “every moment with a child should be an instructional moment.” The adage is simple, yet true. In the classroom, a teacher’s behavior is observed, interpreted and even repeated by students. The importance of a positive example is intuitive, and also proven by research. Studies show that, when teachers act negatively toward students, misbehavior, delinquency, disengagement, and academic failure increases (U.S. Department of Education, 1998).

Further research indicates that positive modeling and explicit instruction are the best ways to decrease student misbehavior (Jonassen, 1999), thus increasing learning and (re)-engagement of students. Effective modeling includes exhibiting competencies in social, emotional, behavioral, physical and cognitive learning development while explicit instruction can focus on teaching students healthy coping strategies, behaviors, and academic skills. Teacher-student relationship building also supports an emotionally safe classroom environment. These supportive interactions and modeling directly impact learning.

Some questions teachers may consider when modeling appropriate behaviors:

- Is my tone quiet and calm when I interact with students?
- Do I use appropriate and understandable language?
- Do I model classroom rules?
- What are the strengths of each student in my class?
- Do I react with a respectful tone of voice?
- Does my body language reflect non-confrontation?

Research has shown that younger students positively respond initially to tangible rewards (such as stickers) while older students respond best to social/verbal acknowledgements. Ultimately, planning for effective acknowledgements within the school-wide and classroom systems can increase and maintain positive behaviors.

As part of the instructional planning process, teachers should consider how students will know when they have acted appropriately or inappropriately. Studies show that acknowledgement by teachers is “related to both initial and long-term academic engagement and social success” (Akin-Little et al, 2004). Methods of acknowledgement/correction need not be elaborate. In fact, social recognition tends to be most effective in reinforcing intrinsic motivation. When using a tangible reward system initially to increase buy-in for some students, teachers should:

- Deliver them quickly after the desired behavior is exhibited;
- Connect them to the behavior, not the individual;
- Vary the type (praise, incentives, approval, recognition, points), number, and frequency;
- Consider the appropriateness of the reward; and
- Gradually reduce to eventually eliminate

Conditions for Learning Indicators discussed here (CL 19 & 22) and others are included in the Rising Star on IIRC online school improvement system and accessible via the Learning Supports Web Page.

**Helpful Resources**

- [www.edteck.com/dbq](http://www.edteck.com/dbq) - this site is a creative approach to reaching students through images when presenting Content Area Literacy involving teaching with documents
- [www.isbe.net/learningsupports](http://www.isbe.net/learningsupports) – Learning Supports site including Conditions for Learning indicators and an A-Z index of resources for helping students
- [http://www.parcconline.org/](http://www.parcconline.org/) - for the most up to date information on the PARCC Assessments
- [https://docs.google.com/spreadsheet/ccc?key=0AIlqyKM9qf7ZYdEhtR3BJMmdBWhnM2YYWWYVVM1UWo](https://docs.google.com/spreadsheet/ccc?key=0AIlqyKM9qf7ZYdEhtR3BJMmdBWhnM2YYWWYVVM1UWo) - Dan Meyer has created a spreadsheet of CCSSM aligned Math tasks for middle and high school teachers. He also shares his Algebra and Geometry curriculum. His blog is full of great classroom ideas and allows teachers a place to interact with other educators.

Visit [www.isbe.net](http://www.isbe.net) to download this newsletter.