

Reflecting on Practice

Week 3

Day 1

PRACTICE

REFLECTING ON

Doug Corey on Friday

- We want to reflect on the important points he brought up that relate to Formative Assessment



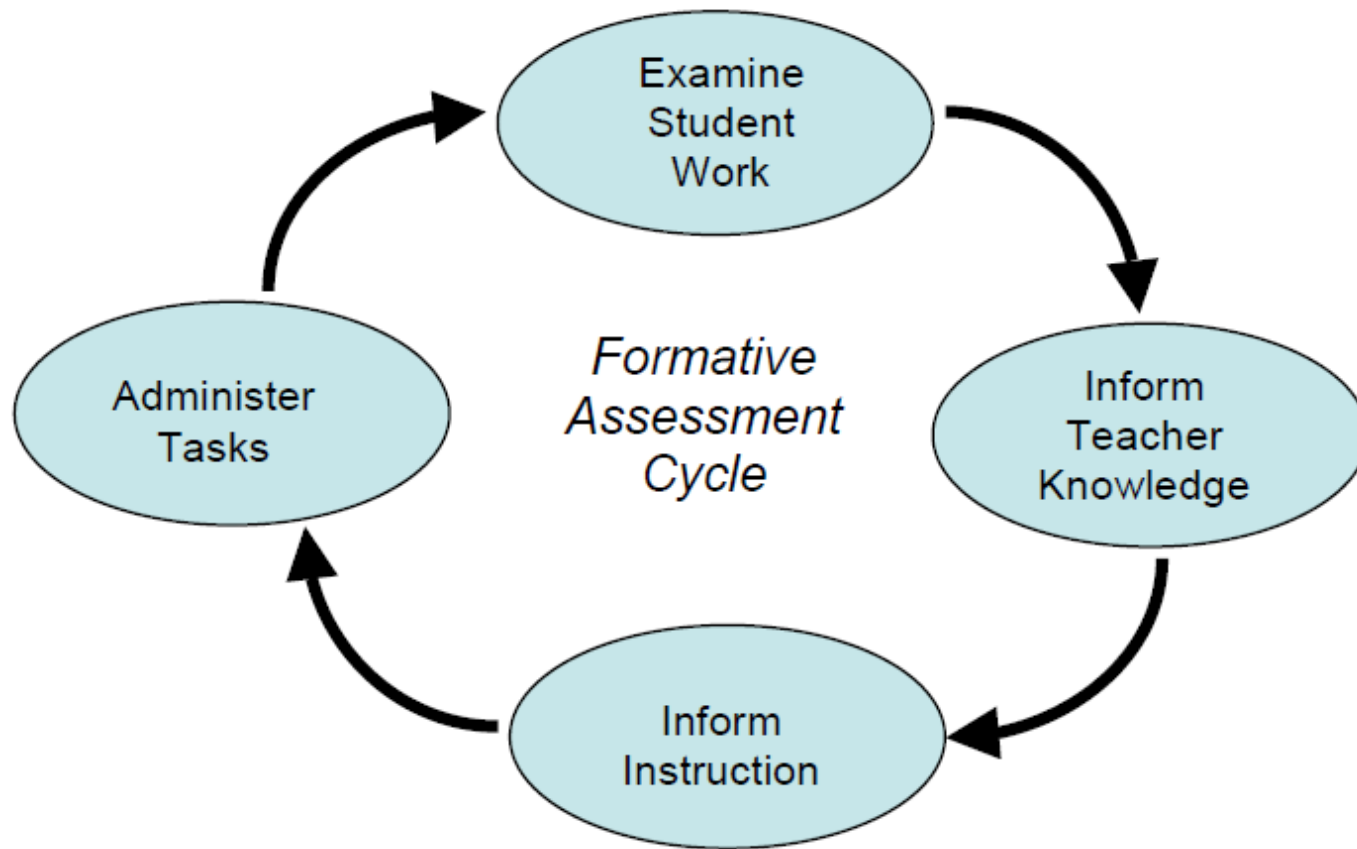
Principles of Effective Instruction

- Has intellectual engagement with important mathematics – “the struggle” (Hiebert & Grouws, 2007, p. 387-388).
- Attends to student thinking in order to help make the mathematics meaningful to students
- Pays explicit attention to conceptual development of the mathematics through connections (Hiebert & Grouws, 2007).
- Develops mathematics that flows from students’ current understanding to understanding the goals of the lesson (Corey et al, 2010).
- Is planned around and guided by an explicit and specific set of goals that focus on a variety of mathematical proficiencies including a students’ productive disposition towards mathematics (Corey et al, 2010).
- Is designed for all students to do rigorous academic work in school and to have equitable access to learning (Lewis, Scott & Murray, under review).

Did we miss something?

- *You can post a short note on a public bulletin board so we can reflect on them.*
 - <http://bit.ly/ropjuly18room2>

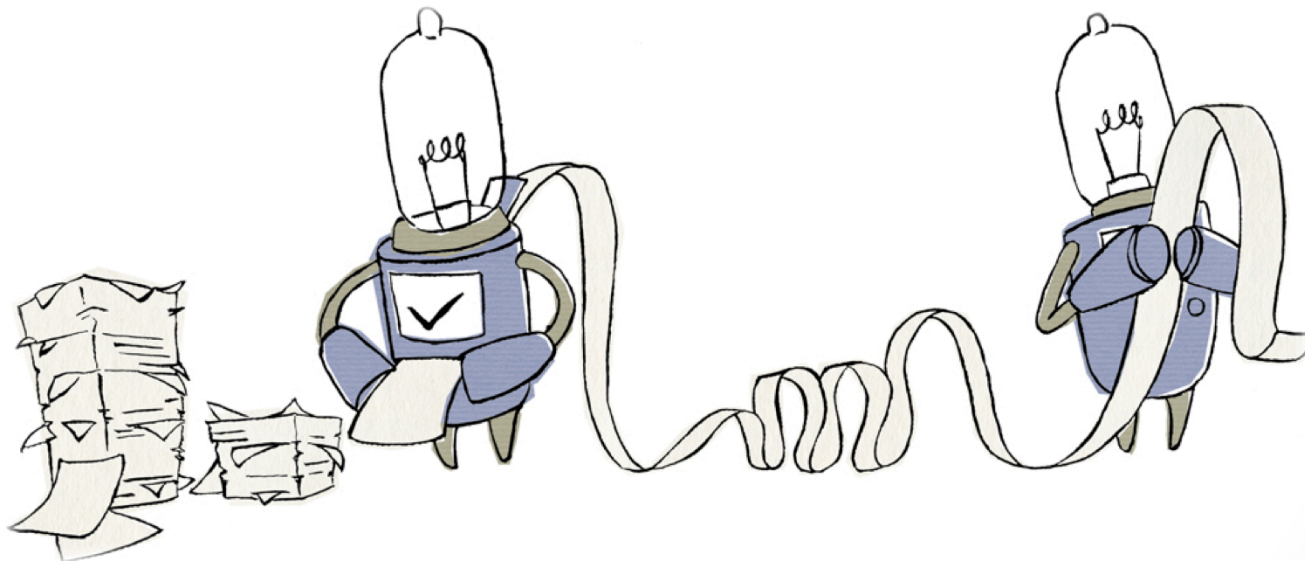
Formative Assessment Cycle



“Using formative assessment to drive instruction”
Foster & Poppers, 2009

Automated Tools

- Using web-based services to provide students with feedback on their understanding
- *We'd like you to focus on the strengths & weaknesses in terms of formative (self) assessment.*



Automated Feedback

- Become the expert on one of these packages
 - *If your supervisor were to propose this system for your class, what concerns would you have?*
 - *What benefits would excite you?*
 - *Carnegie Tutor (Algebra 1)*
 - <http://bit.ly/ropday10a> (involves a download)
 - *MyMathLab*
 - <http://bit.ly/ropday10g>
 - <http://bit.ly/ropday10h> User: mmlalgebra Pass: learnmath1
 - *Glencoe/McGrawHill*
 - <http://bit.ly/ropday10d>
 - *InterActMath*
 - <http://bit.ly/ropday10e> (choose your textbook)
 - *MapleTA*
 - <http://bit.ly/ropday10c> (have Cal log in for you to try system out)

Sharing your expertise

- Keep an ear out for common themes as we collect your thoughts on a GoogleDoc
- Room 2 (Vicki) <http://bit.ly/ropauto2>

Common Themes

- *What were the common themes that arose across all the packages?*
- *What set of questions would you want to ask when presented with a situation involving automated assessment tools? These questions will help us form a lens through which we can look at a variety of packages later.*
- Room 2 (Vicki) <http://bit.ly/ropauto2>

Fin!

