



NCTM 2012 National Conference

The Power of Formative Assessment



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Agenda

- A quick overview of Formative Assessment
- Two math problems to illustrate
- Self-regulation and formative assessment

The FACETS Project at EDC

Formative
Assessment in the Mathematics
Classroom:
Engaging
Teachers and
Students

facets.edc.org

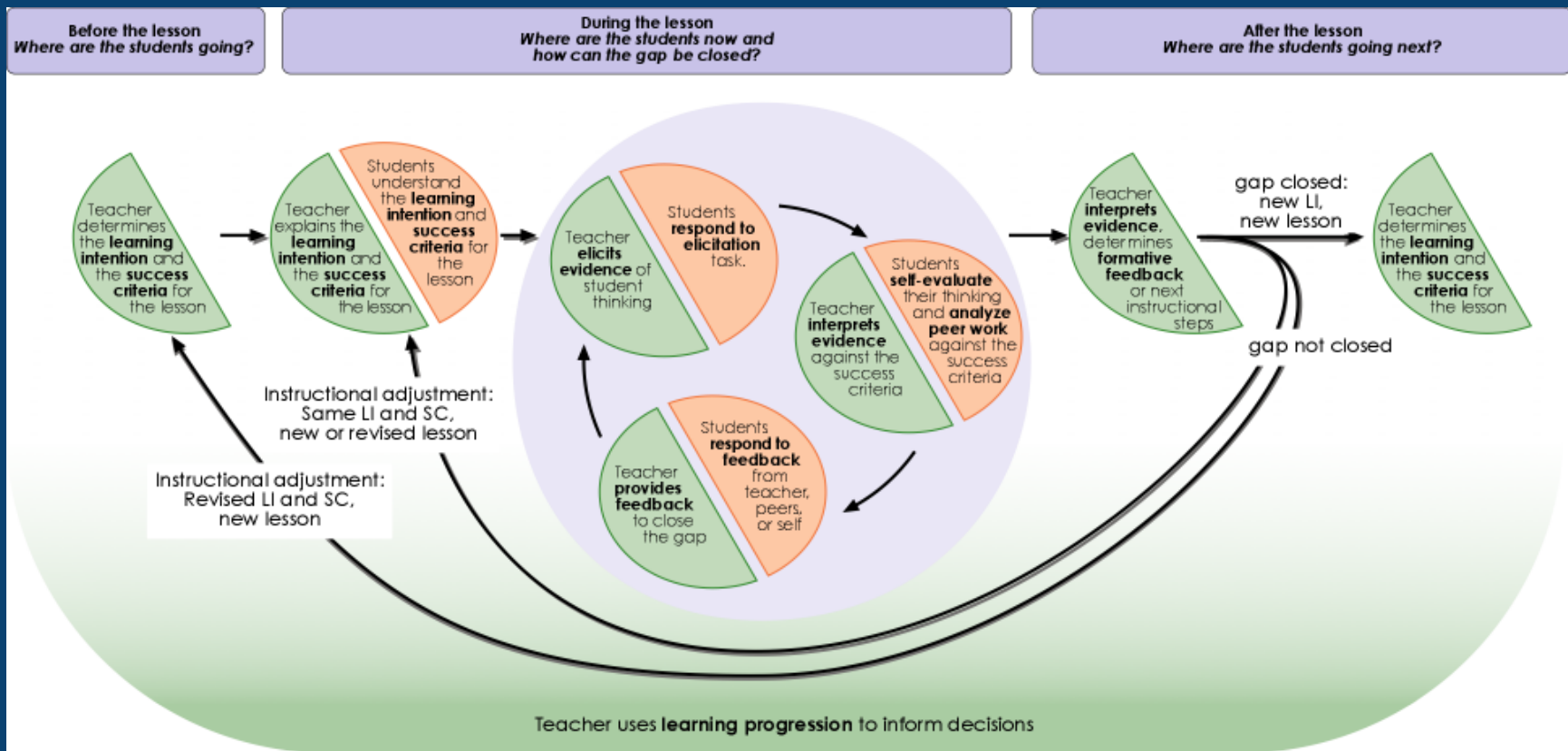


Formative Assessment (FACETS)

Our definition for formative assessment reflects the research literature and statement articulated by the Council of Chief State School Officers:

Formative assessment is a process used by teachers and students during instruction that provides feedback to adjust ongoing teaching and learning to improve students' achievement of intended instructional outcomes.

The FA Cycle



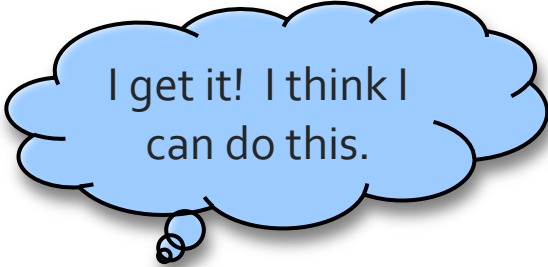
Two Examples

- Partygoer's Geometry: *No Formative Assessment*
- Lucky 7: *Using Formative Assessment*


- As you work, consider:
 - What is your internal monologue as the lesson progresses?
 - How do you feel about your learning?

Discussion

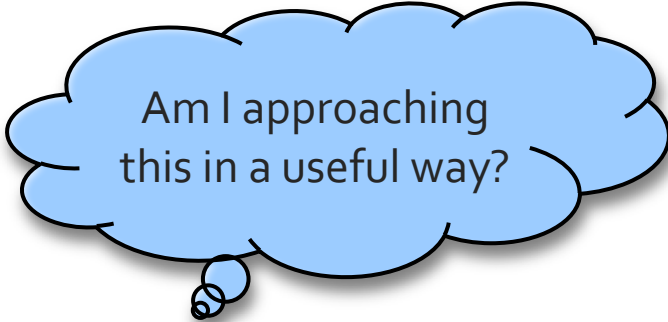
*What was your internal monologue while you were working on this math problem?
What were you feeling?*



I get it! I think I can do this.



Am I getting this right?



Am I approaching this in a useful way?

Discussion

From a student's perspective, what aspects of FA did you experience in the math task we just did?

Learning Intentions &
Success Criteria

Student Ownership
and Involvement

Eliciting and
Interpreting Evidence

Formative
Feedback

Discussion

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What is a “self-regulated learner?”

Students who are self-regulated will:

- have internal goals that are learning based, not task based;
- identify standards / criteria that will apply to their work;
- be purposefully engaged in a task
- be aware of what content they know (and don't know), and will draw on their strengths (either in content area or in strategies to use)
- make judgments about how their work relates to these standards;
- judge their progression to the goal;
- monitor gaps between internally-set task goals and the outcomes that they are generating.

Thank You!

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