

How to Reach the Unreachable in Algebra 1

Edward C. Nolan ed@nolanmath.com

Presentation materials available at <http://nolanmath.com/Unreach.htm>

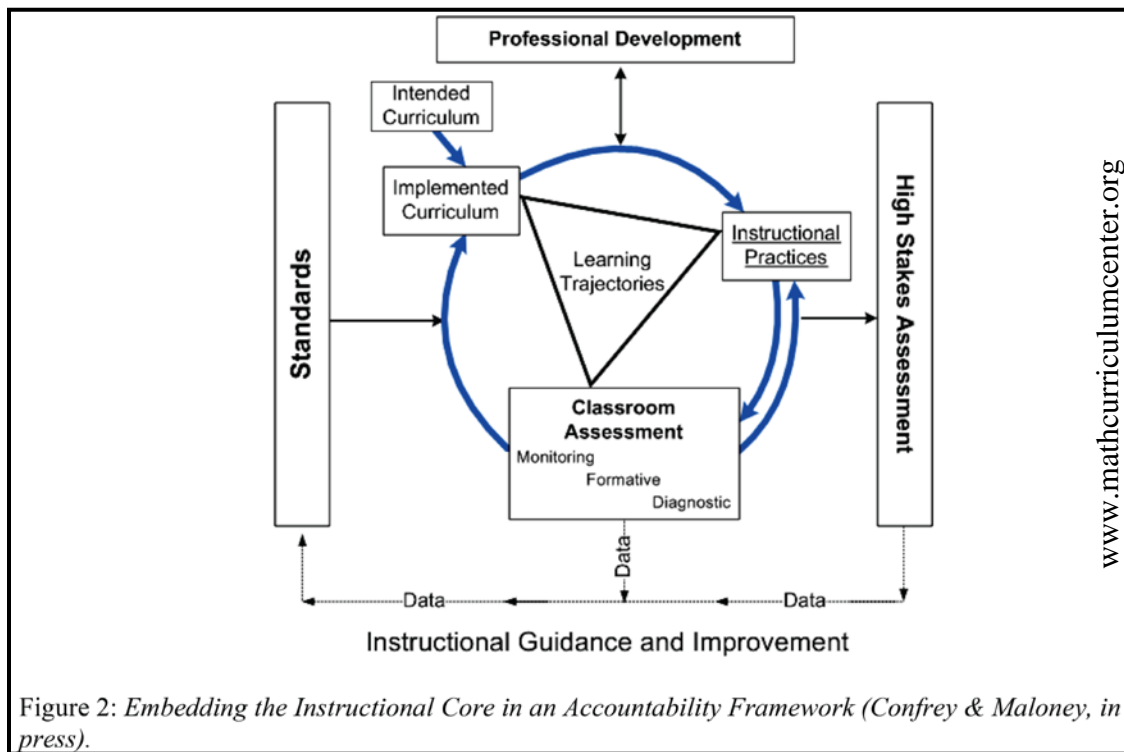


Figure 2: *Embedding the Instructional Core in an Accountability Framework* (Confrey & Maloney, in press).

Video Discussion #1: Warm-up

- What was the teacher's expectation of the needs of their students?
- How did the teacher approach the content of the warm-up?
- What was the role of the answer to the warm-up?
- What would you imply was the previous lesson based on the way the teacher introduced the warm-up?

Video Discussion #2: Introducing the Initial Problem

- How does the teacher's approach to this problem mirror their approach to the warm-up?
- What assumptions is the teacher making about their students?
- What can you say about the classroom climate based on this observation?

Video Discussion #3: Concluding the Problem

- Does the teacher allow for student reflection?
- Who does more work – the teacher or the student?
- What do the students 'walk away' with?

Video Discussion #4: Reflection

- What have the teachers learned?
- What should be the next step for this group?