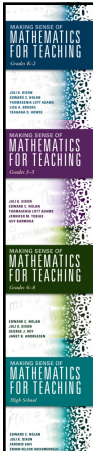


Empower or Bust in the Mathematics Classroom: Affirmations, Engagement, Content, & Relationships

Thomasenia Lott Adams
NCTM 2023

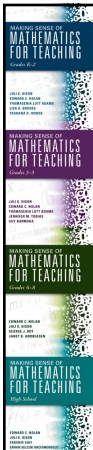
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Session Goals

- Lean into affirmations.
- Explore strategies for engagement.
- Focus on content.
- Explore the value of relationships.

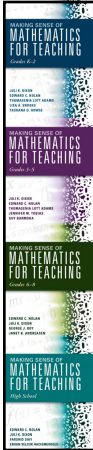
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Affirmations

Affirmation in the Context of Teaching & Learning Mathematics

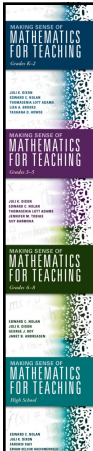
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Affirmations

Let's practice!

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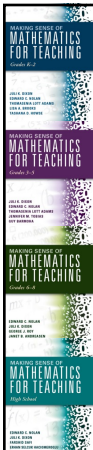


Engagement

Students are engaged in mathematics tasks are also engaged in learning mathematics with understanding".

Dixon, Nolan, Adams, Tobias, & Barmoha
(2016)
*Making Sense of Mathematics for Teaching,
Grades 3-5*

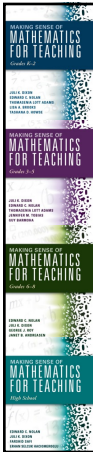
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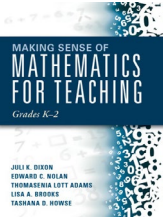
Engagement

What are some signs of engagement in the mathematics classroom?

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Engagement

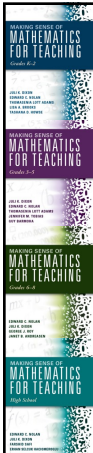


Making Sense of Mathematics for Teaching
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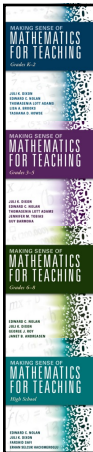


Content

"Teachers with a deep understanding of the content they teach select tasks that provide students with the opportunity to engage in practices that support learning concepts before procedures; they know that for deep learning to take place, students need to understand the procedures they use".

Nolan, Dixon, Roy & Andreasen (2016)
Making Sense of Mathematics for Teaching, Grades 6-8

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Relationships

Mathematics is a people discipline.

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