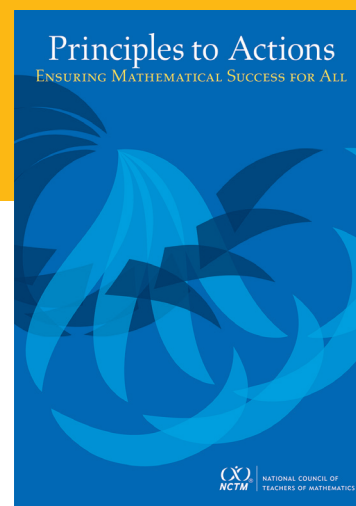


# Principles to Actions Professional Learning Toolkit



**N**CTM's *Principles to Actions* Professional Learning Toolkit provides grade-band-specific professional learning modules focused on the Effective Teaching Practices and Guiding Principles from *Principles to Actions: Ensuring Mathematical Success for All*—NCTM's landmark publication that connects research with practice. Specific research-based teaching practices that are essential for a high-quality mathematics education for each and every student are combined with core principles to build a successful mathematics program at all levels.

The *Principles to Actions* toolkit helps support professional learning with teachers by analyzing mathematical tasks, narrative and video cases, student work samples, vignettes, and more. Each module includes a presentation, presenter notes, and required materials. Teachers learn by abstracting general ideas from the specific examples about how to effectively support student learning.

The teaching and learning modules were developed in collaboration with the Institute for Learning at the University of Pittsburgh and are available exclusively to NCTM members. Limited modules are provided for each grade level.

## Building on *Principles to Actions*

Many related publications build on *Principles to Actions* and the toolkit.

*Principles to Actions*-related publications explore implementing the effective mathematics teaching practices; go in depth about the research behind *Principles to Actions*; and elaborate on such topics as access and equity, tools and technology, assessment, and more.

- **Taking Action: Implementing Effective Mathematics Teaching Practices in—**
  - Grades Pre-K–5
  - Grades 6–8
  - Grades 9–12

This set of grade-band books elaborates on the teaching and learning principles described in *Principles to Actions*. Each book provides examples and activities to help teachers develop their understanding of the eight effective

mathematics teaching practices and how they can be enacted in the classroom.

- **Enhancing Classroom Practice with Research behind “Principles to Actions”**

This book summarizes and synthesizes the research behind each of the guiding principles and essential elements in *Principles to Actions*. It also provides examples of what this research might look like in classroom practice. This resource will provide readers with a sense of where the field stands in its knowledge and hypotheses about the big ideas put forth in *Principles to Actions*. In addition, it makes the principles and elements—as well as the research—concrete for readers by offering examples from classroom practice.



- **Access and Equity: Promoting High-Quality Mathematics in—**
  - Grades Pre-K–2
  - Grades 3–5
  - Grades 6–8
  - Grades 9–12
- **Principles to Actions Elaboration Series**
  - Access and Equity
  - Curriculum
  - Tools and Technology
  - Assessment
  - Professionalism



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