



## Engaging Young Children in Mathematics: Standards for Early Childhood Mathematics Education (Studies in Mathematical Thinking and Learning Series)

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**Engaging Young Children in Mathematics: Standards for Early Childhood Mathematics Education (Studies in Mathematical Thinking and Learning Series)** From Brand: Routledge

*Engaging Young Children in Mathematics: Standards for Early Childhood Mathematics Education* brings together the combined wisdom of a diverse group of experts involved with early childhood mathematics. The book originates from the landmark 2000 Conference on Standards for Pre-kindergarten and Kindergarten Mathematics Education, attended by representatives from almost every state developing standards for young children's mathematics; federal government officials; mathematicians; mathematics educators; researchers from mathematics education, early childhood education, and psychology; curriculum developers; teachers; policymakers; and professionals from organizations such as the National Conference of Teachers of Mathematics and the National Association for the Education of Young Children. The main goal of the Conference was to work collectively to help those responsible for framing and implementing early childhood mathematics standards. Although it has its roots in the Conference, the expanded scope of the standards and recommendations covered in this book includes the full range of kindergarten to grade 2.

The volume is organized into two main parts and an online appendix (<http://www.gse.buffalo.edu/org/conference/>). Part One, *Major Themes and Recommendations*, offers a framework for thinking about pre-kindergarten - grade 2 mathematics education and specific recommendations. Part Two, *Elaboration of Major Themes and Recommendations*, provides substantive detail regarding young students' understandings of mathematical ideas. Each Part includes five parallel subsections: "Standards in Early Childhood Education"; "Math Standards and Guidelines"; "Curriculum, Learning, Teaching, and Assessment"; "Professional Development"; and "Toward the Future: Implementation and Policy." As a whole the book:

- \* presents comprehensive summaries of research that provide specific guidelines for standards, curriculum, and teaching;
- \* takes the recent reports and recommendations for early childhood mathematics education to the next level;

- \* integrates practical details and research throughout; and
- \* provides a succinct, but thorough review of research on the topics, sequences, and learning trajectories that children can and should learn at each of their first years of life, with specific developmental guidelines that suggest appropriate content for each topic for each year from 2-year-olds to 7-year-olds.

This is an indispensable volume for mathematics educators, researchers, curriculum developers, teachers and policymakers, including those who create standards, scope and sequences, and curricula for young children and professional teacher development materials, and students in mathematics education, early childhood trainers, teacher educators, and faculty in mathematics education.

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### Editorial Review

Review

*This book has much to offer those who are involved in developing and implementing mathematics standards in early childhood education.*

—**Teaching Children Mathematics**

*It is highly recommended for anyone interested in the mathematical education of young children, including preservice and inservice teachers, curricula developers, intervention specialists, and teacher-educators.*

—**Childhood Education**

*This work fills a tremendous vacuum that has existed for many years, taking a close look at early mathematics teaching and learning in a way that reflects both the early childhood and mathematics education perspectives. It should be useful for virtually anyone with a serious interest in early mathematics learning. Two thumbs up!*

—**W. Gary Martin**

Auburn University

*This very comprehensive, sound, practical, and detailed discussion on issues related to standards for pre-school and kindergarten mathematics...will be a very influential book for mathematics educators, early childhood educators, and people responsible for policy decisions... It will contribute significantly to the field.*

—**Alfinio Flores**

Arizona State University

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**From reader reviews:**

**Davis Miller:**

As people who live in often the modest era should be change about what going on or data even knowledge to make these keep up with the era that is certainly always change and make progress. Some of you maybe can update themselves by examining books. It is a good choice for yourself but the problems coming to a person is you don't know which one you should start with. This Engaging Young Children in Mathematics: Standards for Early Childhood Mathematics Education (Studies in Mathematical Thinking and Learning Series) is our recommendation to make you keep up with the world. Why, since this book serves what you want and want in this era.

**Christopher Rayes:**

This book untitled Engaging Young Children in Mathematics: Standards for Early Childhood Mathematics Education (Studies in Mathematical Thinking and Learning Series) to be one of several books that will best

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### **Melinda McKinney:**

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