



Teaching Mathematics in Early Childhood

By Sally Moomaw Ed.D.

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Children who learn math fundamentals in preschool and kindergarten have the best chance of later achievement in school— but too often, children don't get the effective early math instruction that makes all the difference. Now there's a core early childhood textbook that helps current and future educators teach the most critical math concepts to young students while meeting today's national standards for mathematics education.

Developed by Sally Moomaw, a nationally respected expert with more than 20 years of classroom experience, this accessible textbook gives readers a solid theoretical understanding of math concepts and standards and the guidance they need to create and implement their own lessons. Highly readable and practical enough for years of use beyond the classroom, this text

- **explicitly aligns with the most current recommendations** from the National Research Council's Committee on Early Childhood Mathematics and the focal points of the National Council of Teachers of Mathematics
- **helps teachers plan effective lessons**—includes more than 50 classroom activities with detailed instructions and helpful photos
- **advances inclusion** by giving teachers universal design strategies and adaptations to help them support all learners, including English language learners and students with disabilities
- **targets the critical math skills** children will build on for the rest of their lives, including quantification, operations, algebraic reasoning, geometry, spatial sense, measurement, data analysis and probability
- **focuses on the youngest students** (including children with special needs) so teachers can implement developmentally appropriate math instruction when it's the most effective
- **gives teachers invaluable guidance** on weaving math lessons into everyday routines and conversations
- **makes teacher preparation clear and easy**, with student-friendly features such as chapter summaries, reflection questions, vignettes that model key concepts, and a glossary of math terminology

Whether used in preservice courses on teaching mathematics or in-service professional development, this comprehensive textbook will help educators give

the youngest students a strong foundation of basic math concepts— and prepare them for lifelong academic success.

See which domain of school readiness in the Head Start Child Development and Early Learning Outcomes Framework this book addresses.

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Editorial Review

Review

"Puts an emphasis on helping young children understand mathematics instead of just doing mathematics. By providing a solid foundation in early numeracy, we give children the understanding needed for them to become flexible mathematical thinkers."

(Christina Tondevold)

About the Author

Sally Moomaw, Ed.D., is Assistant Professor of Early Childhood Education at the University of Cincinnati in Ohio. She taught preschool and kindergarten children in inclusive, diverse classrooms for more than 20 years. She is the author or coauthor of 13 books for early childhood education, including *More than Counting: Whole Math Activities for Preschool and Kindergarten* (Redleaf Press, 1995), *More than Magnets: Exploring the Wonders of Science in Preschool and Kindergarten* (Redleaf Press, 1997), and *Lessons from Turtle Island: Native Curriculum in Early Childhood Classrooms* (Redleaf Press, 2002) and *More Than Counting: Standards Edition* (Redleaf Press, 2011). She has given numerous presentations for educators throughout the United States and has developed a Mathematics Toolkit for the Ohio Department of Education to help preschool and kindergarten teachers implement state content standards. Her research focus is the development of mathematics understanding in young children.

Users Review

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