

**ZMATH 2013b.00388**

**Moomaw, Sally**

**Teaching mathematics in early childhood.**

Baltimore, MD: Brookes Publishing (ISBN 978-1-59857-119-6/pbk). xiii, 211 p. (2011).

From the preface: The focus of this book is standards-based mathematics education in preschool and kindergarten. Designed to link theory and research to effective pedagogical practice, the book specifically targets the development of mathematical reasoning in young children and guides teachers in creating and implementing curriculum and instructional procedures to maximize conceptual understanding . . . This book is designed to move prospective and practicing teachers from a developmental understanding of each mathematics content standard through the creation, implementation, and assessment of curriculum . . . After describing the typical developmental trajectory of key mathematical concepts, it addresses curriculum accommodations and instructional strategies to support children with disabilities. Universal design for learning is an important topic addressed throughout the book. The book has eight chapters: Foundations for mathematical development; Developing number sense; Developing concepts about arithmetic operations; Developing algebra concepts; Developing geometry concepts; Developing measurement concepts; Developing concepts about data analysis and probability; Integrating curricula to meet mathematics goals: putting it all together.

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*Classification:* D41 C31 C91 F11 G21

*Keywords:* content standards; children with disabilities