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By Drew Polly



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Common Core Mathematics Standards and Implementing Digital Technologies provides a critical discussion of educational standards in mathematics and how communication technologies can support the implementation of common practices across state lines. Leaders in the fields of mathematics education and educational technology will find an examination of the Common Core State Standards in Mathematics through concrete examples, current research, and best practices for teaching all students regardless of grade level or regional location. This book is part of the Advances in Educational Technologies and Instructional Design series collection.



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Editorial Review

Review

Practicing and research mathematics educators offer conceptual and empirical perspectives on the early phases of implementing the Common Core State Standards for Mathematics, both the Grade Level Content Standards and the eight Standards for Mathematical Practice. They cover frameworks and conceptual orientations, content and context, vignettes and cases, and innovative approaches to teacher education and professional development. Among specific topics are supporting mathematical communication through technology, the design and implementation of computational modeling for learning mathematical concepts, supporting pattern exploration and algebraic reasoning through the use of spreadsheets, supporting teachers' instrumental genesis with dynamic mathematical software, and using digital resources to support elementary school teachers who are implementing the Standards. --*Annotation ©2013 Book News Inc. Portland, OR*

About the Author

Drew Polly is an Assistant Professor in the Department of Reading and Elementary Education at the University of North Carolina at Charlotte. His research agenda focuses on examining how to support the implementation of technology and standards-based pedagogies.

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