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Principles To Actions: Ensuring Mathematical Success For All



Synopsis

What it will take to turn the opportunity of the Common Core into reality in every classroom, school, and district. Continuing its tradition of mathematics education leadership, NCTM has undertaken a major initiative to define and describe the principles and actions, including specific teaching practices, that are essential for a high-quality mathematics education for all students. This landmark new title offers guidance to teachers, mathematics coaches, administrators, parents, and policymakers: Provides a research-based description of eight essential Mathematics Teaching Practices Describes the conditions, structures, and policies that must support the Teaching Practices Builds on NCTM's Principles and Standards for School Mathematics and supports implementation of the Common Core State Standards for Mathematics to attain much higher levels of mathematics achievement for all students Identifies obstacles, unproductive and productive beliefs, and key actions that must be understood, acknowledged, and addressed by all stakeholders Encourages teachers of mathematics to engage students in mathematical thinking, reasoning, and sense making to significantly strengthen teaching and learning

Book Information

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Customer Reviews

I've read many teacher professional development books and this is definitely one that I'll refer back to throughout the year. The author gives many examples of how math education is in need of a makeover. Teaching math is not simple. The author understands this and guides readers in to reflecting on their current practice. I thought that the content was relatable and spot on. I highly encourage math teachers to find this book and take a read.

A very good book. There are so few books that really take apart the concepts of mathematics. This one did in a clear and concise way. A good read for math educators.

Well written and purposeful. The vision is clear and the path unfolding. As a math education leader I would recommend we all begin to read and begin to design these principles into action!

A must have for all educators teaching mathematics. The book is informative and provides examples of how you can change your math class around to reflect teaching for understanding in building concepts.

Every math teacher and administrator should read this book. It clearly describes the characteristics of quality instruction.

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