Catalyzing Change in Early Childhood and Elementary Mathematics

Stock #: 15928; List price: $39.50
Catalyzing Change in Early Childhood and Elementary Mathematics is part of the Catalyzing Change series, a collection of three books intended to initiate the critical conversations necessary to address the serious challenges educators face, ensuring that each and every child has access to a high-quality mathematics education. Find out why the status quo is unacceptable and how to make a difference.

AVAILABLE OCTOBER 2020
One Hundred Problems Involving the Number 100
By Patrick Vennebush
Stock #: 16002
Coinciding with NCTM’s 100th Anniversary, this title addresses the fact that significant numbers of high school students develop unproductive mathematical identities and see little value in mathematics, while the need for mathematical skills is increasing to meet the workplace, postsecondary education requirements, and to ensure active participation in our democratic society. The book identifies and addresses critical challenges, including implementing equitable instructional practices and explicitly broadening the purposes for teaching high school mathematics beyond a focus on college and career readiness.

AVAILABLE FALL 2020
Activity Gems for the 3–5 Classroom
By Peggy House, Sharon Stenglein, and Roger Day
Stock #: 15754
The second in this four-book series, this title focuses on a selected and adapted set of lessons from NCTM’s Navigations series, with a special emphasis on incorporating the Mathematics Teaching Practices from NCTM’s Principles to Actions: Ensuring Mathematical Success for All. Teachers of Grades 3–5 students can use these lessons to engage their students in exploring, thinking, connecting, and advancing in their mathematical understanding and confidence.

AVAILABLE SUMMER 2020
S3D: Fostering and Improving Small-Group, Student-to-Student Discourse
By Sarah Quebec Fuentes
Stock #: 15851
Classroom teachers will learn how to promote productive small-group discussions where students engage in rich tasks and develop their mathematical knowledge. This book provides a step-by-step plan of action for creating a classroom in which these small groups engage in their own deep mathematical discourse and every student’s voice is heard.

NEW Activity Gems for the PK-2 Classroom
By Peggy House, Sharon Stenglein, and Roger Day
Stock #: 15753; List price: $36.95
The Activity Gems in this volume are a selected and adapted set of lessons from NCTM’s Navigations series, with a special emphasis on incorporating the Mathematics Teaching Practices from NCTM’s Principles to Actions: Ensuring Mathematical Success for All (2014). Teachers of PK–2 students can use these lessons to engage their students in exploring, connecting, and advancing their mathematical understanding and confidence.

The 5 Practices in Practice: Successfully Orchestrating Mathematics Discussions in Your High School Classroom
By Margaret (Peg) Smith, Michael D. Steele, and Minim Gomaran Sherrin
Stock #: 15708; List price: $32.95
This follow-up to the modern classic, The 5 Practices for Orchestrating Productive Mathematics Discussions, shows the five practices in action in high school classrooms and empowers secondary school teachers to be prepared for and overcome the challenges common to orchestrating mathematics discussions.

High School Mathematics Lessons to Explore, Understand, and Respond to Social Injustice
By Robert Q. Berry III, Basil M. Conway IV, Brian R. Lawler, and John W. Staley
Stock #: 15971; List price: $24.95
This book explains how to teach mathematics for self- and community-empowerment. It walks teachers step-by-step through the process of using mathematics—across all high school content domains—as a tool to explore issues of social injustice, including environmental injustice; wealth inequality; food insecurity; and gender, LGBTQ, and racial discrimination.

Check out these and other new releases at nctm.org/store
Humanizing Disability in Mathematics Education: Forging New Paths
By Paulo Tan, Alexis Padilla, Erica N. Moran, and James Sheldon
Humanizing Disability in Mathematics Education: Forging New Paths enhances the practices of mathematics teachers by extending the concepts of access, equity, and empowerment to include students living with all types of disabilities.

This resource guide is a companion to the book and offers a coherent set of professional learning experiences designed to foster teachers’ understanding of the eight effective Mathematics Teaching Practices and their ability to apply those practices in their own high school classrooms.

Humanizing Disability Resource Guide
Stock #: 15963; List price: $12.95
This resource guide is a companion product to the book; it pulls out the big ideas and puts it all at your fingertips.

The 5 Practices in Practice: Successfully Orchestrating Mathematical Discussion in Your Elementary Classroom
By Margaret (Peg) Smith, Victoria Bill, and Miriam Gannan Shern
Stock #: 15936; List price: $32.95
Enhance your fluency in the five practices—anticipating, monitoring, selecting, sequencing, and connecting—to bring powerful discussions of mathematical concepts to life in your elementary classroom. This book unpacks the five practices for deeper understanding and empowers you to use each practice effectively.

Putting Essential Understanding into Practice: Number and Numeration PK-2
By Barbara J. Dougherty and Karen S. Karp
Stock #: 14348; List price: $36.95
This book focuses on the specialized pedagogical content knowledge that you need to teach number and numeration effectively in prekindergarten—grade 2. The authors demonstrate how to use this multifaceted knowledge to address the big ideas and essential understandings that students must develop for success with these computations—not only in their current work, but also in higher-level mathematics and a myriad of real-world contexts.

Learning Trajectories for Teachers: Designing Effective Professional Development for Math Instruction
By Paola Sztajn and P. Holt Wilson
Stock #: 15791; List price: $32.95
Designed to strengthen the teaching of mathematics in the elementary grades, this book focuses on helping teachers engage in instruction that is based on learning trajectories (LTs). The authors bring together the experiences and key research-based findings of four different groups of teacher educators that created effective professional development around LTs.

Visit our bookstore at NCTM Central at the Centennial Annual Meeting in Chicago and save at least 25% on all purchases!

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Catalyzing Change in Middle School Mathematics

Stock #: 15929; List price: $39.50
Catalyzing Change in Middle School Mathematics recognizes that the needs of young adolescents are different from elementary and high school–age students and that policies, practices, and issues must consider the unique needs of this student group. Students undergo significant developmental changes from elementary school to middle school. These changes contribute to how they see and understand the world as well as how they see and understand their place in the world.

Catalyzing Change in High School Mathematics

Stock #: 15637; List price: $39.50
This title addresses the fact that significant numbers of high school students develop unproductive mathematical identities and see little value in mathematics, while the need for mathematical skills is increasing to meet the workplace, postsecondary education requirements, and to pursue active participation in our democratic society. The book identifies and addresses critical challenges, including implementing equitable instructional practices and explicitly broadening the purposes for teaching high school mathematics beyond a focus on college and career readiness.

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