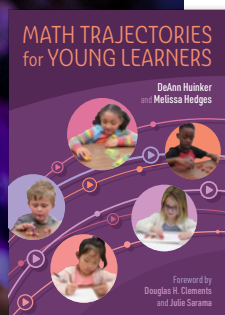


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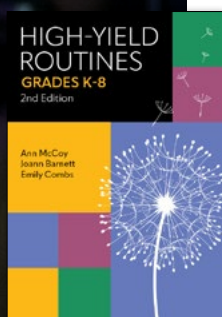
**Strengthen
teaching
with learning
trajectories and
assessment**

PAGE 3



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PAGE 4



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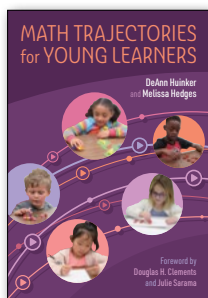
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Math Trajectories for Young Learners

DeAnn Huinker and Melissa Hedges

This book provides a clear, practical guide to early childhood mathematics that blends research with classroom-ready strategies. Through anecdotes, illustrative videos, and assessment protocols, they show how learning trajectories and formative assessment can transform teaching and learning.

\$39.95 | © 2025 | 978-1-68054-034-5 | 292 pp.



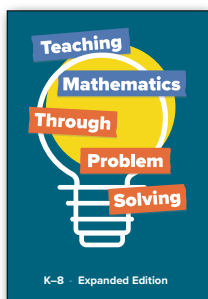
Modern Math Tasks to Provoke Transformational Thinking: Grades 6-8

Edited by Joe Champion

Students in grades 6-8 are developing greater capacity for problem solving and are beginning to develop as proportional reasoners. This new volume presents carefully crafted tasks that nurture multi-disciplinary literacies, including ecological and cultural literacies.

\$39.95 | © 2025 | 978-1-68054-090-1 | 150 pp.

See page 16 for more information on the Modern Math Tasks series.

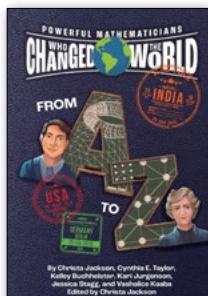


Teaching Mathematics Through Problem Solving: K-8, Expanded Edition

NCTM

This newly expanded edition bridges research and practice to show how problem-based instruction can transform learning. Building on the central focus of the best-selling first edition, it brings forward the original authors' vision for teaching through problem solving, enriched with fresh context, current research, and expert insights.

\$38.95 | © 2025 | 978-1-68054-150-2 | 196 pp.



Powerful Mathematicians Who Changed the Word from A to Z

Edited by Christa Johnson

Take a vibrant journey through the lives of 26 influential mathematicians whose ideas have shaped the way we understand the world. From ancient innovators to modern pioneers, this book highlights the diverse contributions of figures such as Benjamin Banneker, Ada Lovelace, Maryam Mirzakhani, and Dorothy Vaughan.

\$84.95 | © 2025 | 978-1-68054-070-3 | 416 pp.

See page 18 for more information on the Powerful Mathematicians series.

NEW RELEASES & BEST SELLERS

These 6-panel, laminated quick reference guides are perfect for independent use or alongside the *Essential Understanding* series. All Go-To Guides are \$12.95

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Go-To Guide: Teaching Fractions and Rational Numbers 3–5

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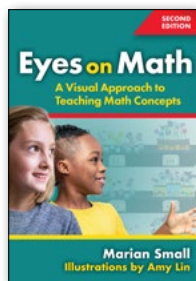
Go-To Guide: Teaching Ratios, Proportions and Proportional Reasoning 6–8

978-1-68054-182-3

Go-To Guide: Teaching Geometry and Measurement 3–5

© 2024 | 978-1-68054-183-0

See page 14 for more information.

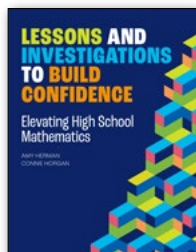


Eyes on Math, A Visual Approach to Teaching Math Concepts, Second Edition

Marian Small

This extensively updated teaching resource provides over 100 downloadable, engaging visuals with explanations of how they can be used to stimulate mathematics learning, to explain mathematical concepts, and to assess students' mathematical understanding in grades K–8.

\$48.00 | © 2025 | 978-0-8077-8716-8 | 304 pp.

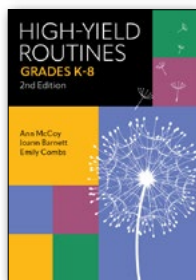


Lessons and Investigations to Build Confidence: Elevating High School Mathematics

Amy Herman and Connie Horgan

Elevate your high school math classroom with engaging lessons, investigations, and strategies designed to build student confidence and foster a positive learning environment.

\$68.95 | © 2024 | 978-1-68054-103-8 | 248 pp.



High-Yield Routines, Grades K–8, 2nd Edition

Amy McCoy, Joan Barnett, and Emily Combs

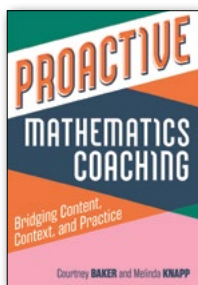
Empower your students' mathematical journey with engaging routines designed to boost critical thinking, problem-solving, and collaboration, transforming your classroom into a dynamic space where every student excels.

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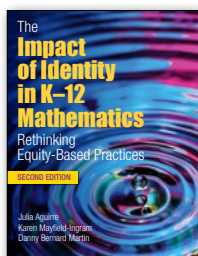


Proactive Mathematics Coaching: Bridging Content, Context, and Practice

Courtney Baker and Melinda Knapp

This new volume introduces the Proactive Coaching Framework (PCF) to help those in formal and informal mathematics leadership positions intentionally refine and advance their practice through goal setting and planning for professional learning.

\$58.95 | © 2023 | 978-1-68054-095-6 | 212 pp.

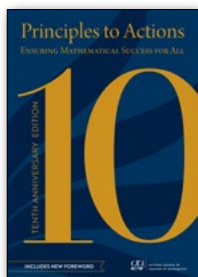


The Impact of Identity in K-12 Mathematics: Rethinking Equity-Based Practices, 2nd Edition

Julia Aguirre, Karen Mayfield-Ingram, and Danny Bernard Martin

This revised and expanded volume explores how teaching practices influence students' perceptions of themselves as mathematics learners, emphasizing the need for teachers to engage in critical reflection and embrace equity-based practices.

\$54.95 | © 2024 | 978-1-68054-048-2 | 212 pp.



Principles to Actions, 10th Anniversary

A collectible Limited 10th Anniversary Edition that includes a new foreword by the author team.

Since *Principles to Actions* was first published in 2014, it has offered guidance to teachers, mathematics coaches, administrators, parents, and policymakers. This Limited 10th Anniversary Edition commemorates 10 years of useful and actionable guidance to educators as we work to strengthen the teaching and learning of school mathematics for each and every student.

\$39.95 | © 2024 | 978-1-68054-101-4 | 158 pp.

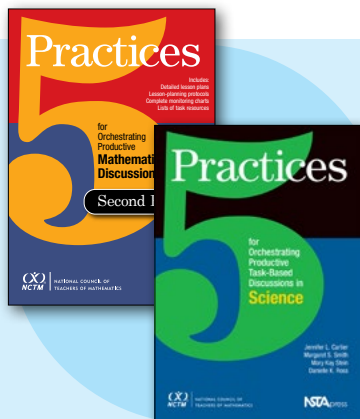
Five Practices for Orchestrating Productive Mathematics Discussions, Second Edition

Margaret S. Smith and Mary Kay Stein

The five manageable practices explained in this book have the power to put teachers in control of productive classroom discussions. The model—anticipating, monitoring, selecting, sequencing, and connecting—focuses on prior planning and limits the amount of improvisation required during the lesson.

\$37.76 | © 2018 | 978-1-68054-016-1 | 192 pp.

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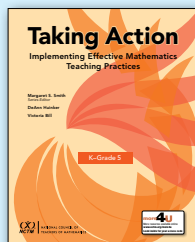
“This is a book for every teacher of mathematics. It helps you to understand the importance of focusing the learning by having clear learning goals, how to implement rich tasks and use purposeful questions to elicit evidence of learning.”

—Dawsonnocreek (Amazon Review)

Taking Action: Implementing Effective Mathematics Teaching Practices in Grades K–5

Are you ready to take your teaching to the next level? This essential volume in the *Taking Action* series offers a coherent set of professional learning experiences designed to foster teachers' understanding of effective mathematics teaching practices and their ability to apply those practices in their own classrooms.

\$46.30 | © 2017 | 978-0-87353-969-2 | 320 pp.



See page 17 for more information on the *Taking Action* series.



Catalyzing Change in Early Childhood and Elementary Mathematics

Understand how to recognize the strengths and needs of young children that must be considered when addressing the continuity and alignment of mathematics education for these young learners. Find out why the status quo is unacceptable, what actions you can take to change it, and how to make a difference! Be a part of the bright future of mathematics teaching and learning.

\$48.19 | © 2020 | 978-1-68054-042-0 | 166 pp.

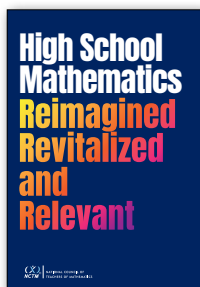
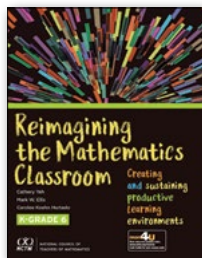
See page 16 for more information on the *Catalyzing Change* series.

Reimagining the Mathematics Classroom

Cathery Yeh, Mark W. Ellis, and Carolee Koehn Hurtado

This book presents a comprehensive systems approach to examining mathematics teaching. It synthesizes and illustrates current research on the essential elements of mathematics teaching and learning, unpacking each component. In addition, tips on using technology to assess and enhance learning are embedded throughout the book.

\$33.26 | © 2017 | 978-0-87353-908-1 | 160 pp.



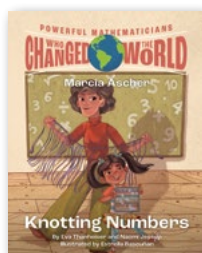
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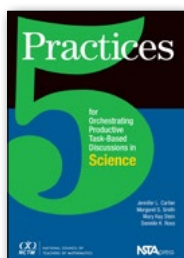
Powerful Mathematicians Who Changed the World: Knotting Numbers (Grades 3-5)

Eva Thanheiser and Naomi Jessup

When Liliana has her first day at a new school, she's nervous about making new

friends, and a complex math problem in her class doesn't help. After she shares her Abuela's strategy for solving the problem, some of her classmates don't understand or think her way is wrong. **Marcia Ascher**, a professor and mathematician, and a friend of her teacher, describes to the students how different cultures have their own ways of doing math.

\$6.95 | © 2023 | 978-1-68054-008-6 | 32 pp.



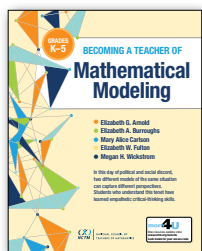
Five Practices for Orchestrating Productive Task-Based Discussions in Science

Margaret S. Smith and Mary Kay Stein

Engaging classroom discussions are essential for providing

students with opportunities to simultaneously engage in science practices while learning key science content. The authors show how teachers can plan lessons to encourage students to learn science content and employ disciplinary practices.

\$35.64 | © 2013 | 978-0-87353-745-2 | 130 pp.



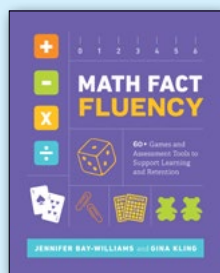
Becoming a Teacher of Mathematical Modeling, K-5

Elizabeth G. Arnold, Elizabeth A. Burroughs, Mary Alice Carlson, Elizabeth W. Fulton, and Megan H. Wickstrom

These books explore what it means to teach modeling. In part I, the authors discuss mathematical modeling broadly and allow you to explore the student practices and perspectives involved, how modeling can empower students, and classroom communities that support modeling. In part II, the authors launch you on your journey of becoming a teacher of modeling by illustrating features of modeling that are evident in the classrooms of teachers who engage their students in modeling and by sharing specific strategies for making modeling a

part of your own classroom practices. In part III, the authors share wisdom from other teachers who have engaged in this journey and invite you to join in the modeling community.

\$32.07 | © 2021 | 978-1-68054-040-6 | 109 pp.



Math Fact Fluency: 60+ Games and Assessment Tools to Support Learning and Retention

Math Fact Fluency is an indispensable guide for any educator who needs to teach basic facts. This approach to facts instruction, grounded in years of research, will transform students' learning of basic facts and help them become more confident, adept, and successful at math. This book offers every-

thing a teacher needs to teach, assess, and communicate with parents about basic math fact instruction.

\$38.02 | © 2019 | 978-1-4166-2699-2 | 190 pp.

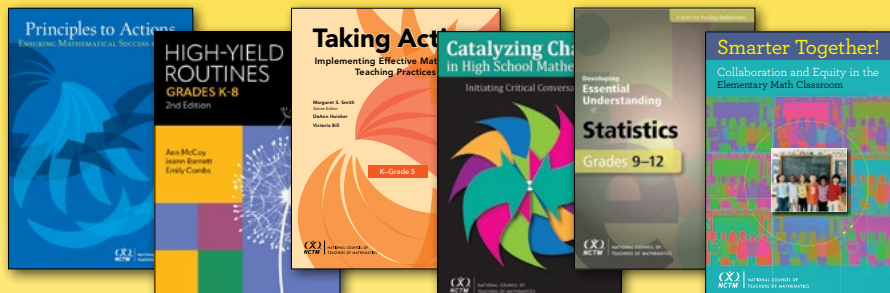


Such a good book to have as a math teacher. So many fun and engaging activities in here you could use a whole class, stations, or a small group! I highly recommend it for rookie and veteran teachers.

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See what our readers are saying about NCTM's best-selling classroom resources!

Principles to Actions

"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."

—Brenda K. (Amazon Review)

High Yield Routines

"I have been trying for years to come up with meaningful class openers that will really help fill the growing gaps that are walking into my 8th-grade classroom... These simple ideas will really help."

—A. Edwards (Amazon Review)

Taking Action, Grades K–5

"How can teachers make mathematics instruction and learning equitable, supporting all students in reaching high standards and high expectations? *Taking Action* works to answer that question, providing exemplary lessons that highlight aspects of the eight Teaching Practices as well as illuminating components that close the equity gap that so frequently plagues mathematics education."

—Joseph R. (Amazon Review)

Catalyzing Change in High School Mathematics

"*Catalyzing Change* was a very interesting read and contains a great deal of useful information for me as a high school math teacher. Some of the biggest issues current math teachers must face in their everyday classroom are addressed and focused upon in this book."

—Zack (Amazon Review)

Developing Essential Understanding of Statistics for Teaching Mathematics in Grades 9–12

"This book is an excellent resource to help you better understand statistics that is being integrated in each high school course in the common core curriculum, as well as foundational topics taught in the A.P. Statistics course. I would highly recommend it!"

—Jeremy G. (Amazon Review)

Smarter Together! Collaboration and Equity in the Elementary Classroom

"This is an excellent book with a great range of practical mathematical ideas and activities that will give those teachers who wish to teach cooperatively and in heterogeneous groups a sound foundation to make a difference in their classrooms."

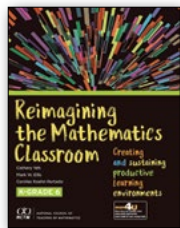
—Pabs (Amazon Review)

TEACHER RESOURCES



I've been teaching for 29 years. I started off in Year 1 as an NCTM Member. I devoured each publication. I tried the suggested activities. I attended the Annual and Regional meetings and presented at both. I have learned so much from NCTM. I continue to learn. I just can't say enough good things about NCTM. Don't ever let your membership run out. Read each article and consider what the takeaways are. Read the books and network with new people. Learn and teach and love math. Have a blast.

—Victoria M.

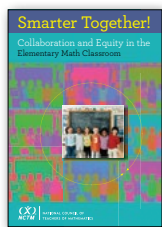


Reimagining the Mathematics Classroom

Cathery Yeh, Mark W. Ellis, and Carolee Koehn Hurtado

This book presents a comprehensive systems approach to examining mathematics teaching. It synthesizes and illustrates current research on the essential elements of mathematics teaching and learning, unpacking each component. In addition, tips on using technology to assess and enhance learning are embedded throughout the book.

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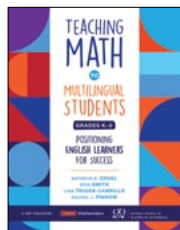
Smarter Together! Collaboration and Equity in the Elementary Math Classroom

Helen Featherstone, Sandra Crespo, Lisa Jilk, Joy Oslund, Amy Parks, and Marcy Wood

The authors describe the lessons they learned using group work,

explain how complex instruction helps unsuccessful students, and analyze how to design assignments that support group learning—using group-worthy tasks—giving readers examples of good tasks, and help in adapting math problems from their own curricula.

\$46.35 | © 2011 | 978-0-87353-656-1 | 147 pp.

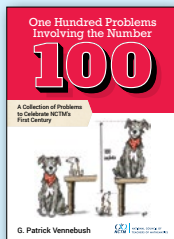


Teaching Math to Multilingual Students, Grades K-8

Kathryn B. Chval, Erin Smith, Lina Trigos-Carrillo, and Rachel J. Pinnow

This guide offers practical approaches that equip K-8 teachers to draw on the strengths of multilingual learners, partner with their families, and position these learners for success. Case studies and activities are included that provide a solid foundation for teachers' growth and exploration.

\$39.21 | © 2021 | 978-1-07181-084-2 | 248 pp.



One Hundred Problems Involving the Number 100

G. Patrick Vennebush

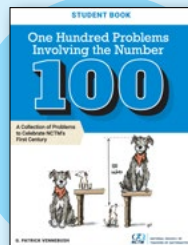
One Hundred Problems Involving the Number 100 now includes a FREE reproducible student workbook!

Author G. Patrick

Vennebush has produced a set of individual worksheets along with a student introduction, space for work, and hints to persevere for all 100 problems in the book. Solutions are also included. This workbook is perfect for individual learning or whole-class instruction.

\$35.92 | © 2020 | 978-1-68054-065-9 | 187 pp.

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Your one-stop-shop for the best recommendations to help you be successful, including tips for differentiated learning, motivating your students, and communicating with parents.

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Let NCTM help with your work/life balance and give you back your most precious resource... time. Access our classroom resources hub for lesson plans, activities, and resources to set your students (and you) up for success.

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NCTM has taken the stress out of looking for themed math problems to give to your students. Use this page throughout the year for quick access to problems for the Olympics, holidays, Pi Day, and more.



View all digital resources at
nctm.org/digitalresources



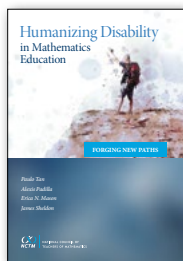
Disrupting Injustice: Navigating Critical Moments in the Classroom

Lateefah Id-Deen and Esther Song

Take an enlightening journey through the experiences of mathematics educators from diverse

backgrounds who've confronted injustices. Gain insights from researchers whose commentaries contextualize each critical moment within the realm of academic study.

\$39.95 | © 2023 | 978-1-68054-021-5 | 124 pp.



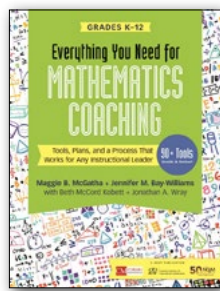
Humanizing Disability in Mathematics Education: Forging New Paths

Paulo Tan, Alexis Padilla, Erica N. Mason, and James Sheldon FPO cover

Theory and argument isn't practice; *Humanizing Disability* offers

practical examples of implementation through the exploration of singular cases of how an Individual Education Plan (IEP) can be a powerful tool for access, equity, and inclusivity for the disabled learner; of using funds of knowledge and of identity to navigate the education system; and of building inclusive classrooms and communities.

\$39.21 | © 2019 | 978-1-68054-024-6 | 116 pp.



Everything You Need for Mathematics Coaching: Tools, Plans, and a Process that Works for an Instructional Leader, Grades K-12

Maggie B. McGatha, Jennifer M. Bay-Williams, Beth McCord Kobett, and Jonathan A. Wray

This one-stop, comprehensive toolkit for improving mathematics instruction and learning is designed for busy math coaches and teacher leaders who often have to rely on their own competencies. With examples from the field, a comprehensive list of resources for effective coaching, and a plethora of tools you can download and share with teachers, this toolkit is your must-have guide to designing a professional learning plan and leading with clarity and purpose.

\$43.97 | © 2018 | 978-1-54431-698-7 | 360 pp.

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TEACHER RESOURCES



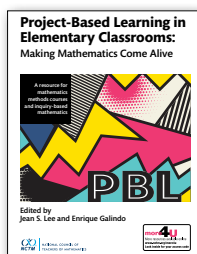
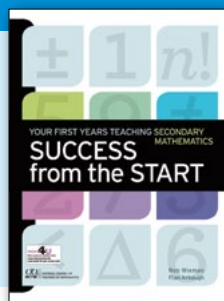
In *Success from the Start*, Wieman and Arbaugh provide a comprehensive toolbox of practices, techniques, and advice for secondary mathematics teachers who are just starting out. While the book is focused on the beginning teacher, it will be a go-to reference teachers can actively continue to draw from even after their early days.

—Jay Altman, Cofounder and CEO, First Line Schools, New Orleans, LA

Success From the Start: Your First Years Teaching Secondary Mathematics

The authors explore both the visible and invisible aspects of teaching and offer proven strategies to make the work meaningful—not merely manageable. Success from the start means being prepared from the start. This book not only teaches you how to be an effective math teacher but also gives you the tools to do it well.

\$49.92 | © 2023 | 978-0-87353-673-8 | 242 pp.

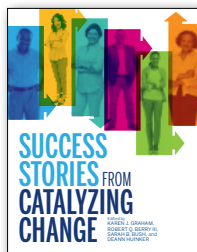


Project-Based Learning in Elementary Classrooms: Making Mathematics Come Alive

Jean S. Lee and Enrique Galindo FPO Cover

This book provides an overview of the essentials of project-based learning (PBL) and the evidence that supports the use of PBL. It showcases PBL units addressing Common Core State Standards for Mathematics for the purpose of demonstrating how PBL works and the learning that results.

\$47.54 | © 2021 | 978-1-68054-068-0 | 226 pp.

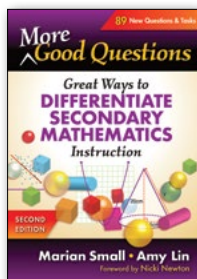


Success Stories from Catalyzing Change

Edited by Karen Graham, Robert Q. Berry III, Sarah B. Bush, and DeAnn Huinker

Experience the journeys of mathematics educators as they implement key recommendations from *Catalyzing Change*. These inspiring stories highlight the challenges and successes of implementing equitable teaching practices in classrooms everywhere.

\$34.95 | © 2023 | 978-1-68054-087-1 | 138 pp.



More Good Questions, Second Edition

Marian Small and Amy Lin

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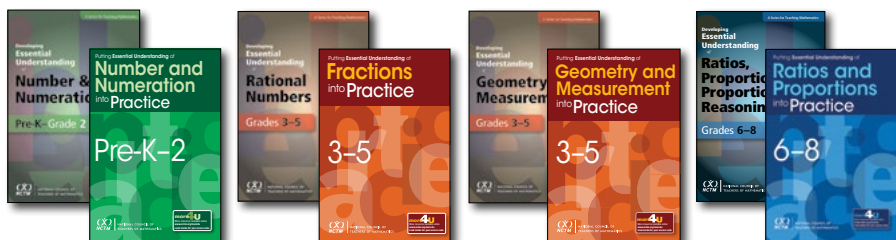
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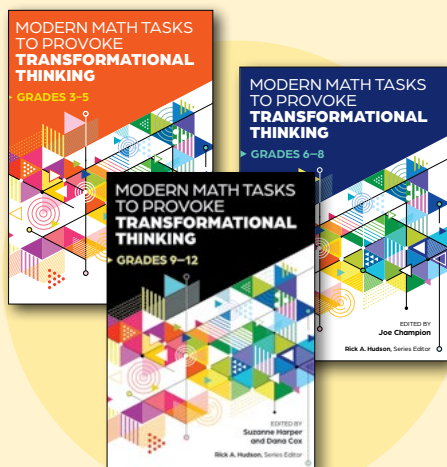
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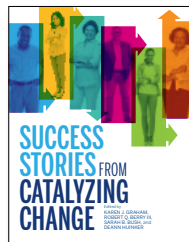
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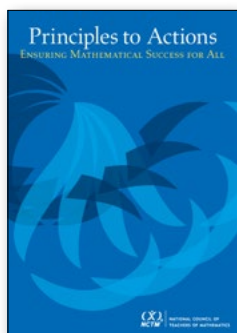
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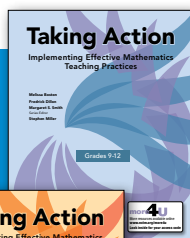
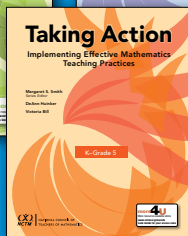
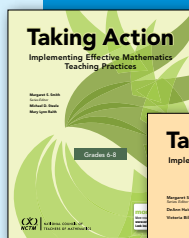
Margaret S. Smith, Michael Steele, and Mary Lynn Raith

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—Joseph R. (Amazon Review)

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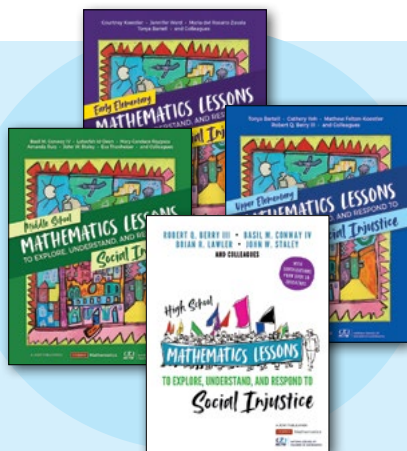
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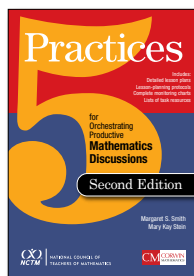
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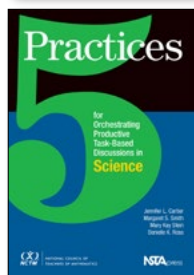


Five Practices for Orchestrating Productive Mathematics Discussions, Second Edition

Margaret S. Smith and Mary Kay Stein

The five manageable practices explained in this book have the power to put teachers in control of productive classroom discussions. The model—anticipating, monitoring, selecting, sequencing, and connecting—focuses on prior planning and limits the amount of improvisation required during the lesson.

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Five Practices for Orchestrating Productive Task-Based Discussions in Science

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Take a deeper dive into understanding the Five Practices—**anticipating, monitoring, selecting, sequencing, and connecting**—for facilitating productive mathematical conversations in classrooms at all levels and learn to apply them with confidence. These follow-ups to the modern classic, *Five Practices for Orchestrating Productive Mathematics Discussions*, shows each practice in action in K–12 classrooms and empowers teachers to be prepared for and overcome the challenges common to orchestrating math discussions.

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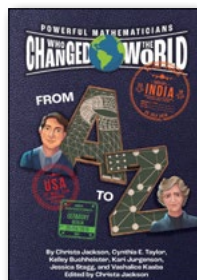
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Kelley Buchheister and Amy Napoli

This book shares parts of the early years of **Dr. Talithia Williams** of being one of only a few Black girls in class—and how

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Knotting Numbers (Grades 3-5)

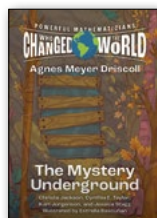
Eva Thanheiser and Naomi Jessup

When Liliana has her first day at a new school, she's nervous about making new friends, and a complex math problem in her class

doesn't help. After she shares her Abuela's strategy for solving the problem, some of her classmates don't understand or think her way is wrong.

Marcia Ascher, a professor and mathematician, and a friend of her teacher, describes to the students how different cultures have their own ways of doing math.

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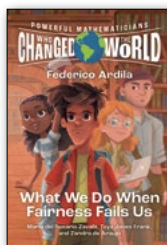
The Mystery Underground (Grades 6-8)

Christa Jackson, Cynthia E. Taylor, Kari Jurgenson, and Jessica Stagg

When Jake and Selah find confusing messages while geocaching, they aren't sure

what the notes mean. But after reading about **Agnes Meyer Driscoll**, a cryptanalyst, and learning about different ciphers and codes, they work with their friends to decode the odd messages. They realize the secret codes are part of a plot by some very important people to cover up problems in their town of Pottersville.

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Maria del Rosario Zavala, Toya Jones Frank, and Zandra de Araujo

Moises, Marissa, and Astrud realize that a specialized high school uses a lottery for admission

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NOTICE AND WONDER



When students become active doers of mathematics, the greatest gains of their mathematical thinking can be realized. The process of sense making begins when we create classrooms full of curious students' thoughts and ideas. **By asking "What do you notice? What do you wonder?" we help our students see problems in big-picture ways.** Self-confidence, reflective skills, and engagement soar, and students discover that the goal is not to be "over and done," but to discover multiple strategies for tackling a problem. nctm.org/noticeandwonder

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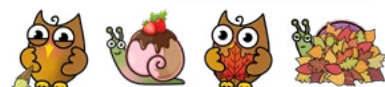
Includes "Take it slow," "Snailed it!," and "Shello!" Notice stickers and "Know-it-owl," "Square hoot," and "Wonder-ful" Wonder stickers.

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16-inch Notice Plush pictured above



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Students who actively become doers of math can gain the most from their mathematical thinking. The process of sense making begins when we create classrooms full of curious students' thoughts and ideas. By asking "What do you notice? What do you wonder?" we help our students see problems in big-picture ways. Self-confidence, reflective skills, and engagement soar, and students discover that the goal is not to be "over and done," but to discover multiple strategies for tackling a problem.

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