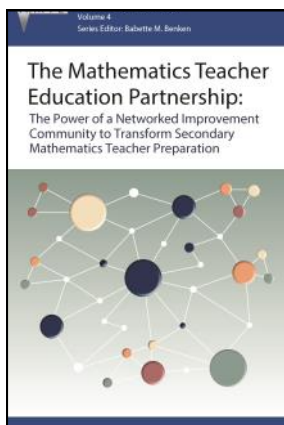




New Book Information



The Mathematics Teacher Education Partnership: The Power of a Networked Improvement Community to Transform Secondary Mathematics Teacher Preparation (Volume 4)

Editors: **W. Gary Martin**, *Auburn University*; **Brian R. Lawler**, *Kennesaw State University*; **Alyson E. Lischka**, *Middle Tennessee State University* and **Wendy M. Smith**, *University of Nebraska - Lincoln*

A volume in **The Association of Mathematics Teacher Educators (AMTE) Professional Book Series**

Series Editor: *Babette M. Benken, CSU Long Beach*

This book provides an overview of a body of work conducted over the past seven years related to the preparation of secondary mathematics teachers by the Mathematics Teacher Education Partnership (MTE-Partnership), a national consortium of more than 90 universities and 100 school systems. The MTE-Partnership is organized as a Networked Improvement Community (NIC), which combines the disciplined inquiry of improvement science with the power of networking to accelerate improvement by engaging a broad set of participants. The MTE-Partnership is addressing key challenges in secondary mathematics teacher preparation, including:

- Supporting the development of content knowledge relevant to teaching secondary mathematics;
- Providing effective clinical experiences to teacher candidates;
- Recruiting secondary mathematics teacher candidates, ensuring program completion and their subsequent retention in the field as early career teachers;
- Supporting overall transformation of secondary mathematics teacher preparation in alignment with these challenges;
- Ensuring a focus on equity and social justice in secondary mathematics teacher recruitment, preparation, and induction.

Publication Date: 2019

ISBNs:

Paperback: 978-1-64113-931-1

Hardcover: 978-1-64113-932-8

E-Book: 978-1-64113-933-5

Paperback: \$45.99

Hardcover: \$85.99

Trim Size: 6.14 X 9.21

Page Count: 430

Subject: Mathematics, Mathematics teacher preparation, Clinical experiences, Mathematical teacher knowledge, Recruitment and retention, Equity and social justice

BIC Code: YQM

BISAC Codes:

MAT030000

EDU029010

EDU030000

This book outlines existing knowledge related to each of these key challenges, as well as the work of Research Action Clusters (RACs) formed to address the challenges. Each RAC includes participants from multiple institutions who work collaboratively to iteratively develop, test, and refine processes and products that can help programs more effectively prepare secondary mathematics teacher candidates. The book describes promising approaches to improving aspects of secondary mathematics teacher preparation developed by the RACs, including specific products that have been developed, which will inform the work of others involved in secondary mathematics teacher preparation. In addition, reflections on the use of the NIC model provides insights for others considering this research design. Particular references to the *Standards for Preparing Teachers of Mathematics* (Association of Mathematics Teacher Educators, 2017) are included throughout the book.

CONTENTS: Foreword, *Mike Steele*. Preface. **SECTION I: IMPROVING THE PREPARATION OF SECONDARY MATHEMATICS TEACHERS.** Overview of the Mathematics Teacher Education Partnership, *W. Gary Martin* and *Howard Gobstein*. Transforming Secondary Mathematics Teacher Preparation Programs, *W. Gary Martin*, *Wendy M. Smith*, and *Margaret J. Mohr-Schroeder*. Equity and Justice in the Preparation of Secondary Mathematics Teachers, *Lorraine M. Males*, *Ruthmae Sears*, and *Brian R. Lawler*. **SECTION II: OPPORTUNITIES TO LEARN MATHEMATICS.** Mathematical Preparation of Secondary Mathematics Teacher Candidates, *Robert N. Ronau*, *David C. Webb*, *Susan A. Peters*, *Margaret J. Mohr-Schroeder*, and *Eric Stadel*. Developing Mathematical Knowledge in and for Teaching in Content Courses, *Alyson E. Lischka*, *Yvonne Lai*, *Jeremy F. Strayer*, and *Cynthia O. Anhalt*. Improving Freshman-Level Mathematics Courses Via Active Learning Mathematics Strategies, *Wendy M. Smith*, *Kadian M. Callahan*, *Tabitha Mingus*, and *Angie Hodge*. **SECTION III: OPPORTUNITIES TO LEARN MATHEMATICS.** Clinical Experiences for Secondary Mathematics Teacher Candidates, *Marilyn E. Strutchens*, *David Erickson*, *Ruthmae Sears*, and *Jeremy Zelkowski*. Improving Clinical Experiences for Secondary Mathematics Teacher Candidates, *Marilyn E. Strutchens*, *Ruthmae Sears*, and *Jeremy Zelkowski*. Engaging Mentor Teachers With Teacher Candidates During Methods Courses in Clinical Settings, *Jeremy Zelkowski*, *Jan Yow*, *Mark Ellis* and *Patrice Waller*. Using Co-planning and Co-teaching Strategies to Transform Secondary Mathematics Clinical Experiences, *Maureen Grady*, *Ruthmae Sears*, *Jamalee (Jami) Stone*, and *Stephanie Biagetti*. Fostering Collaborative and Reflective Teacher Candidates Through Paired Placement Student Teaching Experiences, *Marilyn E. Strutchens*, *Jennifer Whitfield*, *David Erickson*, and *Basil Conway*. Focus on Improving Clinical Experiences in Secondary Mathematics Teacher Preparation, *Charmaine Mangram*, *Pier A. Junor Clarke*, *Patrice Waller*, *Ruby L. Ellis*, and *Cynthia Castro-Minnehan*. **SECTION IV: OPPORTUNITIES FOR RECRUITMENT AND RETENTION.** Recruitment and Retention in Secondary Mathematics Teacher Preparation, *Ed Dickey*, *Dana Pomykal*

Franz, *Maria L. Fernandez*, and *Beth Oliver*. Marketing Strategies for Attracting Prospective Secondary Mathematics Teachers, *Maria L. Fernandez*. Supporting Secondary Mathematics Teacher Preparation Program Recruitment and Retention Efforts, *Julie McNamara*, *Dana Pomykal Franz*, and *Maria L. Fernandez*. Retaining Beginning Secondary Mathematics Teachers through Induction and Leadership Support, *Lisa Amick*, *James Martinez*, *Megan W. Taylor*, and *Frederick Uy*. **SECTION V: THE POWER OF A NETWORKED IMPROVEMENT COMMUNITY.** Looking Back to Look Ahead: Transforming Secondary Mathematics Teacher Preparation, *W. Gary Martin*, *Alyson E. Lischka*, *Wendy M. Smith*, and *Brian R. Lawler*. Reflections on the MTE-Partnership: The Power of Networked Improvement Communities to Solve Complex Problems of Practice, *Jennifer Lin Russell*. Reflections on the MTE-Partnership: The Power of Networked Improvement Communities to Support Transformational Change, *Paul LeMahieu*, and *Wendy M. Smith*. Biographies.

More titles in this series can be found at: <http://www.infoagepub.com/series/The-AMTE-Professional-Book-Series>



Book Order Form



IAP- Information Age Publishing, Inc.

Special Sale Price: \$35.99 for each paperback and \$69.99 for each hardcover (plus s/h)

Title	Paperback QTY	Hardcover QTY
The Mathematics Teacher Education Partnership: The Power of a Networked Improvement Community to Transform Secondary Mathematics Teacher Preparation (Volume 4)		
Building Support for Scholarly Practices in Mathematics Methods		
Elementary Mathematics Specialists: Developing, Refining, and Examining Programs That Support Mathematics Teaching and Learning		
Cases for Mathematics Teacher Educators: Facilitating Conversations about Inequities in Mathematics Classrooms		
*Discounts applied to "list" price only		

Standard Shipping and Handling for Books:

*\$7.50 handling fee on U.S. orders; \$9.00 for the rest of the world
plus \$3.00 shipping per book*

Subtotal: _____

Shipping: _____

Order Total: _____

Online shopping available at www.infoagepub.com

Check

Credit Card

Charge Card Number: _____ Exp. Date: _____ CVV2 Code: _____

Name as it appears on card: _____

Signature: _____

Billing Address (must match credit card billing info.): _____

Shipping Street Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____ Country: _____

Phone Number: _____ Email Address: _____

IAP- Information Age Publishing, Inc. PO BOX 79049 Charlotte, NC 28271

Phone: 704-752-9125 Fax: 704-752-9113 www.infoagepub.com