

# Welcome to the Research-to-Practice Conference

Hosted by Research in Mathematics Education



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SCHOOL OF EDUCATION  
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**CHANGING MINDS**

# Why Explore, Participate, Engage?

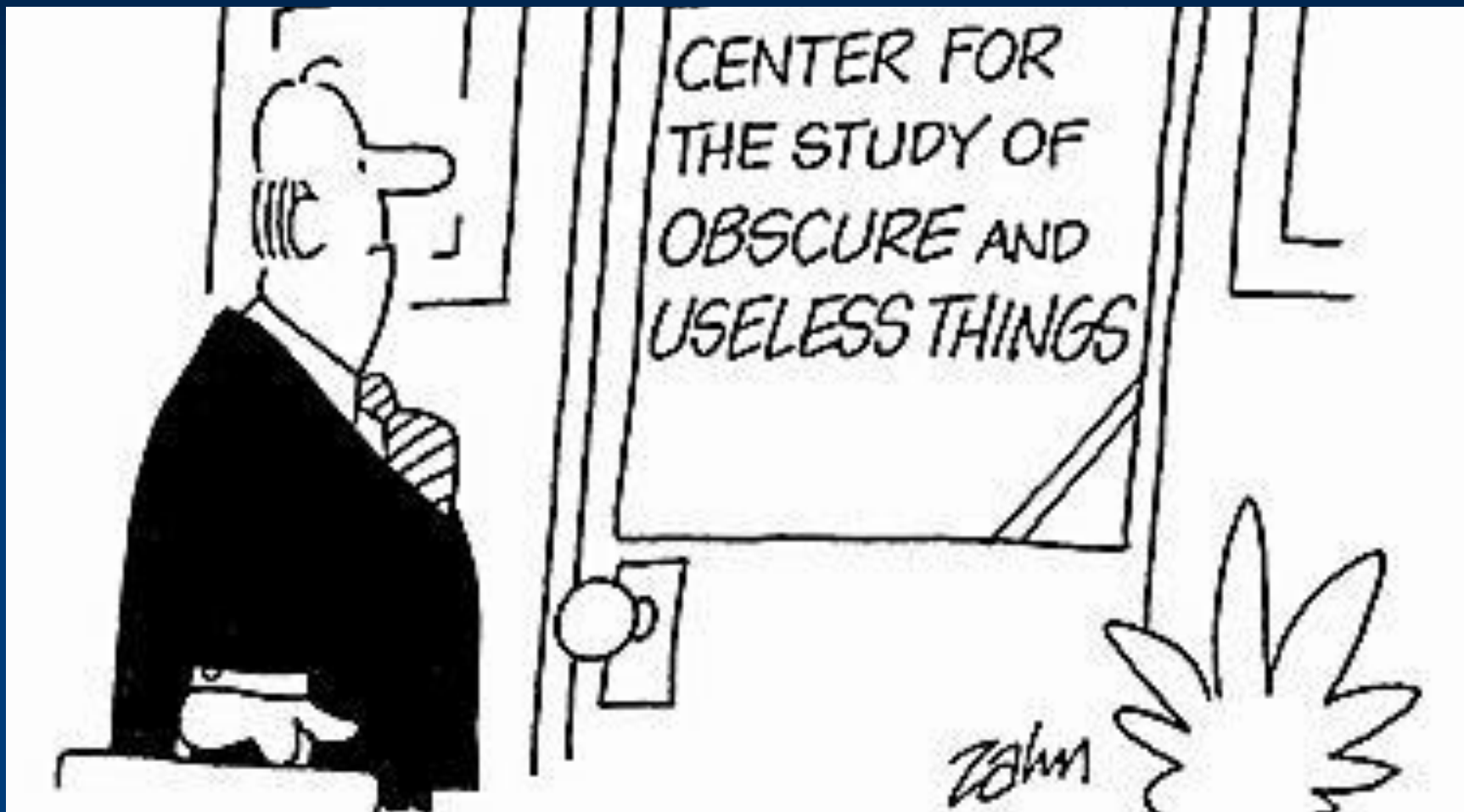
Research – Practice = Irrelevant



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# Why Explore, Participate, Engage?

Research – Practice = Irrelevant

Practice – Research = Irresponsible



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# Why Explore, Participate, Engage?

Research – Practice = Irrelevant

Practice – Research = Irresponsible

Research + Practice = Relevant and Responsible

Dr. Kame-enui, 2009



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# RESEARCH IN MATHEMATICS EDUCATION



**ABOUT  
RME**

**EXPLORE**  
Generating  
Original Research

**PARTICIPATE**  
Facilitating  
Experiences

**ENGAGE**  
Connecting Researchers and  
Practitioners

## Research in Mathematics Education Blog

TUESDAY, FEBRUARY 12, 2013

**What Are You Tweeting About?**

*By Savannah Hill, RME Professional Development Coordinator*

BLOG SIGN UP FORM

Subscribe to our  
mailing list

**REGISTER  
2013 RME  
CONFERENCE**

Conference Agenda

# Support and Partnerships

## THE MEADOWS FOUNDATION

serving the people of Texas



The Meadows Center

FOR PREVENTING EDUCATIONAL RISK



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# Research in Mathematics Education

Research / Research in Mathematics Education / About RME

## RESEARCH IN MATHEMATICS EDUCATION



### ABOUT RME

**EXPLORE**  
Generating Original Research

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**ENGAGE**  
Connecting Researchers and Practitioners



### People

Research and outreach are conducted by faculty and staff in the departments of [Education Policy and Leadership](#) and [Teaching and Learning](#), as well as through partnerships with organizations outside of SMU.

#### Researchers

Dr. Deni Basaraba  
Dr. Diane Pedrotty Bryant  
Dr. David Chard  
Dr. Leanne Ketterlin Geller, Director  
Dr. Candace Walkington  
Dr. Nick Wasserman  
Dr. Yetunde Zannou  
Dr. Paul Yovanoff

#### Project Staff

Saler Axel, Research Assistant  
Jason Bell, Technology Coordinator  
Toni Buttner, Assistant Director  
Josh Geller, Researcher  
Diane Gifford, Research Specialist

#### ABOUT RME

[Contact Us](#)

[Home](#)

### Our Goal

Research in Mathematics Education is a research and outreach unit of the [Simmons School of Education and Human Development](#) with the goal of providing evidence-based support to improve students' mathematics achievement in North Texas and across the country.

### Our Objectives

Conduct high-quality research to generate trustworthy evidence for decision making.

Disseminate our findings and those of our colleagues through: Targeted professional development opportunities, annual Research to Practice conference, and direct distribution of

### Partnerships



### Supporters

**THE MEADOWS FOUNDATION**  
serving the people of Texas



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# Research in Mathematics Education

[Research](#) / [Research in Mathematics Education](#) / [Explore](#)

## EXPLORE

Committed to making a significant and lasting difference in the mathematical opportunities for students in the state of Texas and across the country.



### ABOUT RME

### EXPLORE Generating Original Research

### PARTICIPATE Facilitating Experiences

### ENGAGE Connecting Researchers and Practitioners

## Research In the News

RME Director Leanne Ketterlin Geller and colleagues latest work [Disentangling Mathematics Target and Access Skills: Implications for Accommodation Assignment Practices](#) was recently published in the journal, *Learning Disabilities Research & Practice*.



Dr. Candace Walkington studies the emerging payoff of personalization for struggling math students. [Learn more...](#)

## Published

### Journal Articles

Middle School Teachers' Assignment of Test Accommodations. [Link to Article...](#)

Algebra readiness for students with learning difficulties in grades 4-8: Support through the study of number. [Link to Article...](#)

Gaining perspective on success, support, retention, and student test scores: Listening to beginning teachers (in press). [Link to Article...](#)

[For more information...](#)

## Innovations in Research

### Elementary School Students in Texas: Algebra Ready (ESTAR)

The goal of ESTAR, the latest initiative within the Texas Algebra Ready (TXAR) framework, is to support elementary students in the state of Texas to achieve a high level of preparedness in mathematics. ESTAR is designed to improve overall mathematics instruction and achievement in order to reduce the percentage of students who need math intervention in the elementary grades. [Read more...](#)

### Middle School Students in Texas: Algebra Ready (MSTAR)



The MSTAR initiative is in collaboration with Education Service Center Region XIII and the Texas Education Agency and is comprised of three lead components structured and integrated to support students and teachers in grades five through eight to achieve mathematics success. [Read more...](#)

### Project Algebra Readiness: Developing a

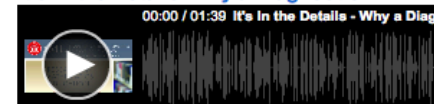
### EXPLORE

- [ESTAR](#)
- [MSTAR](#)
- [Istation, Inc.](#)
- [PAR](#)
- [Previous Research Publications](#)
- [Presentations](#)
- [Home](#)
- [Contact Us](#)

## Latest Thinking

RME director Dr. Leanne Ketterlin Geller and researcher Dr. Nick Wasserman speak to the opportunities and complications facing the mathematics education community today, as well as the explicit and innovative research that can guide effective change.

### It's in the Details: Why a Diagnostic?



# Research in Mathematics Education

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## PARTICIPATE

Publishing research, reports, and facilitating experiences, RME is on the bleeding edge of the mathematics education community and fostering a hub of professional outreach positioned to impact classrooms and educators at every level.



### ABOUT RME

### EXPLORE Generating Original Research

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## Work with RME

RME is always looking for qualified mathematicians, math teachers, and math coaches to partner with us in many ways. Two opportunities that are always on-going are item writing and item reviewing.

### Item Writing

Item writing (writing test questions) is an important component of work that is done at RME. These items range all grades from pre-kindergarten to 8th grade, and are written to align with multiple mathematics content standards. RME provides training and writing can be done on-site or off campus.

### Item Reviewers

Item reviewing takes place after an item has been written. We review an item for language, visual representation, and mathematical content including vocabulary and concepts. In addition, reviewers examine each item for potential bias and to evaluate the effectiveness of the distractors.

*If you are interested in serving as a writer or reviewer, please note your qualifications by clicking this link and following the instruction in the online*

## Reaching Out in North Texas

**Registration now open for 2013 Conference!**

Click [here](#) to register.

Join us here on the beautiful SMU campus for the 2nd Annual Research in Mathematics Education Conference, "Bridging Research and Practice: Explore, Participate, Engage!" The conference, free for educators across the state with generous support from [The Meadows Foundation](#), is intended to provide the latest research and discussion on policy and evidence-based practice in mathematics education with insight from leaders in the field.

The conference will be held on Friday, February 15, 2013 from 8:30 a.m. to 4:00 p.m.

Click [here](#) for a detailed scheduled and speaker biographies.

Stay and enjoy Dallas for the weekend! Visit [The Lumen](#) for hotel accommodations across the street from SMU, ask for the RME rate!

### PARTICIPATE

- [2013 Conference Agenda](#)
- [2012 Conference Summary](#)
- [Work with RME](#)
- [Home](#)
- [Contact Us](#)

## Upcoming Events - 2013

DATE	ASSOCIATION AND LOCATION
Jan 24-26	<b>Association of Mathematics Teacher Educators (AMTE)</b> Orlando, FL <a href="http://www.amte.net/">http://www.amte.net/</a>
Feb 15	<b>Research in Mathematics Education (RME)</b> Dallas, TX <a href="http://smu.edu/rme/">http://smu.edu/rme/</a>
Feb 28-Mar 2	<b>Texas Middle School Association (TMSA)</b> Arlington, TX <a href="http://www.tmsanet.org/">http://www.tmsanet.org/</a>
Apr 15-17	<b>Leadership in Mathematics Education (NCSM)</b> Denver, CO <a href="http://www.mathedleadership.org/">http://www.mathedleadership.org/</a>
Apr 17-20	<b>National Council of Teachers in Mathematics (NCTM)</b> Denver, CO <a href="http://www.nctm.org/">http://www.nctm.org/</a>



# Research in Mathematics Education

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## ENGAGE

Where researchers and practitioners can come together collaboratively through media, technology, and shared insight.



### ABOUT RME

### EXPLORE Generating Original Research

### PARTICIPATE Facilitating Experiences

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In Education, we often hear the phrase, “move the dial”. This phrase can inspire, and it can frustrate. It can be on a sweeping scale that affects policy at a broad level, or it can mean having the proverbial lightbulb illuminate for one child, in one classroom. A child that is struggling, a child that has already adopted another phrase, “I’m not a math person”.

We are math people. And at RME, we want to be a part of the process of removing the phrase, “I’m not a math person” from the mouths of Texas school children. And we want to do it in a meaningful way.

So, let’s move the dial together. Our research unit wants to offer resources that are evidence-based, that are peer-reviewed and vetted. We want to offer the opportunity to connect with others like you and with researchers, to develop partnerships and hone ideas. This is your space - a community of math people, a community of learners. We look forward to hearing from you.

#### ENGAGE

- [Contact Us](#)
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### Links for Educators

- [Project Share](#)
- [Texas Mathematics State Standards](#)
- [Common Core State Standards](#)

### Twitter Feed



tesMaths Courtesy of @mrbuckton4maths - The Wife of Pi :- ) #mathchat #maths #math pic.twitter.com/RsswTWik 23 hours ago · reply · retweet · favorite

EdTech\_K12 Multiplication.com offers games and activities to for students to practice multiplication ow.ly/hEUwn via @rmbyrne #k12 #edapps 6 hours ago · reply · retweet · favorite

powered by voicethread.com

### VoiceThread

• A tool that allows you to combine imagery and personal commentary to create projects.

- Text
- Voice
- Video



# EXPLORE: What is STEM and Why is it Important? What Role Does Mathematics Play?

Research in Mathematics Education (RME)  
Annual Conference  
February 15, 2013



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