



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# NCTM ANNUAL MEETING & EXPOSITION 2019

April 3-6 | San Diego



April 4, 2019 • San Diego, California

## Welcome to the 70<sup>th</sup> Delegate Assembly

# **NCTM Delegate Assembly Update**

**Robert Q. Berry, President**

National Council of Teachers of Mathematics

**NCTM Delegate Assembly**

**NCTM 2019 Annual Meeting & Exposition**  
San Diego, California



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# Agenda

- Greetings from the NCTM Board of Directors
- NCTM's Strategic Framework
- NCTM's Major Initiatives
- NCTM Affiliate Leadership Circle:  
Continuing Members



# Board of Directors 2018-2019

- **Robert Q. Berry III**  
President
- **Matt Larson**  
Past President
- **Ken Krehbiel**  
Executive Director
- **Gina Kilday**
- **Kevin Dykema**
- **Olive Chapman**
- **Kay Wohlhuter**
- **David Ebert**
- **Linda Ruiz Davenport**
- **DeAnn Huinker**
- **Daniel J. Teague**
- **Beth Kobett**
- **Jeff Shih**
- **Jason Slowbe**
- **Denise Walston**



# Board of Directors 2019-2020

- **Robert Q. Berry III**  
President
- **Trena Wilkerson**  
President-Elect
- **Ken Krehbiel**  
Executive Director
- **David Ebert**
- **Linda Ruiz Davenport**
- **DeAnn Huinker**
- **Daniel J. Teague**
- **Beth Kobett**
- **Jeff Shih**
- **Jason Slowbe**
- **Denise Walston**
- **Sarah Bush**
- **Lori Huff**
- **Carol Matsumoto**
- **Jennifer Outzs**



# NCTM Mission Statement

The **National Council of Teachers of Mathematics** advocates for high-quality mathematics teaching and learning for each and every student.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# NCTM Strategic Framework

## *Teaching and Learning:*

NCTM provides guidance and resources for the implementation of research-informed and high-quality teaching that supports the learning of each and every student in equitable environments.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# NCTM Strategic Framework

## *Access, Equity, and Empowerment:*

NCTM advances a culture of equity where each and every person has access to high-quality teaching empowered by the opportunities mathematics affords.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



# NCTM Strategic Framework

## ***Building Member Value:***

NCTM provides community and resources to engage and listen to members in order to improve the teaching and learning of mathematics.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# NCTM Strategic Framework

## ***Advocacy:***

NCTM engages in advocacy to focus, raise awareness, and influence decision makers and the public on issues concerning high-quality mathematics teaching and learning.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# Major Initiatives

- *Catalyzing Change in High School Mathematics: Initiating Critical Conversations*
- *Catalyzing Change in Elementary School*
- *Catalyzing Change in Middle School*
- Access, Equity, and Empowerment
- Advocacy
- Centennial Annual Meeting in 2020



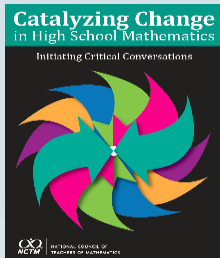


# Key Recommendation



Each and every student should learn the Essential Concepts in order to

- *Expand professional opportunities*
- *Understand and critique the world*
- *Experience the joy, wonder, and beauty of mathematics.*



NCTM. (2018). *Catalyzing change in high school mathematics: Initiating critical conversations*. Reston, VA: NCTM.



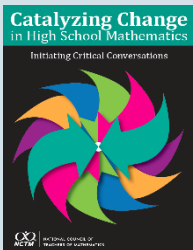
NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



# Key Recommendation



High school mathematics should discontinue the practice of tracking teachers as well as the practice of tracking students into qualitatively different or dead-end course pathways.



NCTM. (2018). *Catalyzing change in high school mathematics: Initiating critical conversations*. Reston, VA: NCTM.



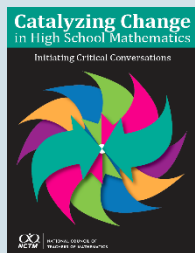
NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



# Key Recommendation



Classroom instruction should be consistent with research-informed ***and equitable*** teaching practices.



NCTM. (2018). *Catalyzing change in high school mathematics: Initiating critical conversations*. Reston, VA: NCTM.



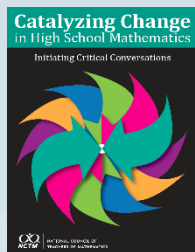
NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



# Key Recommendation



**Each and every student should learn the Essential Concepts** in order to expand professional opportunities, understand and critique the world, and experience the joy, wonder, and beauty of mathematics.



NCTM. (2018). *Catalyzing change in high school mathematics: Initiating critical conversations*. Reston, VA: NCTM.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

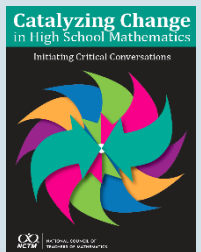




# Key Recommendation



High schools should offer continuous four-year mathematics pathways with all students studying mathematics each year, including two to three years of mathematics in a common shared pathway focusing on the Essential Concepts.



NCTM. (2018). *Catalyzing change in high school mathematics: Initiating critical conversations*. Reston, VA: NCTM.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



# MyNCTM – Online Community for Members

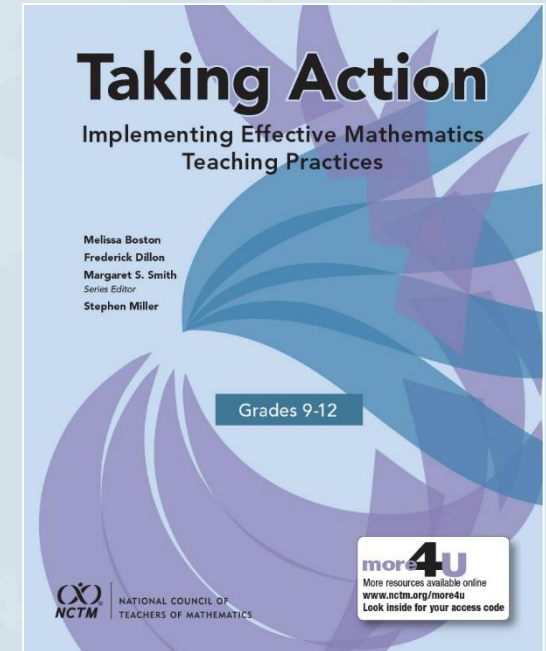
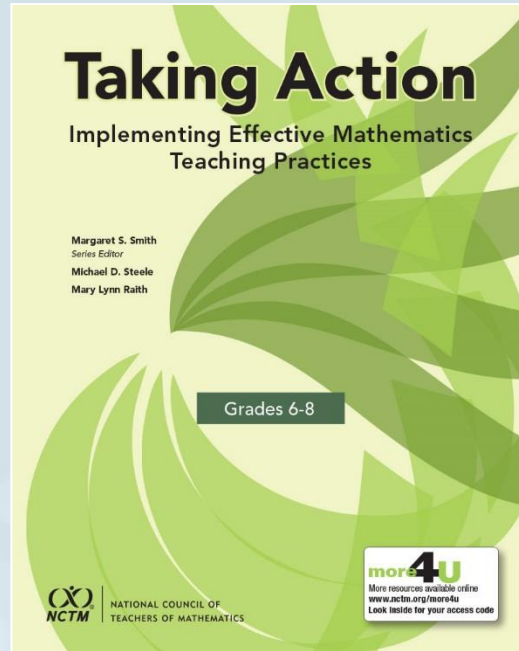
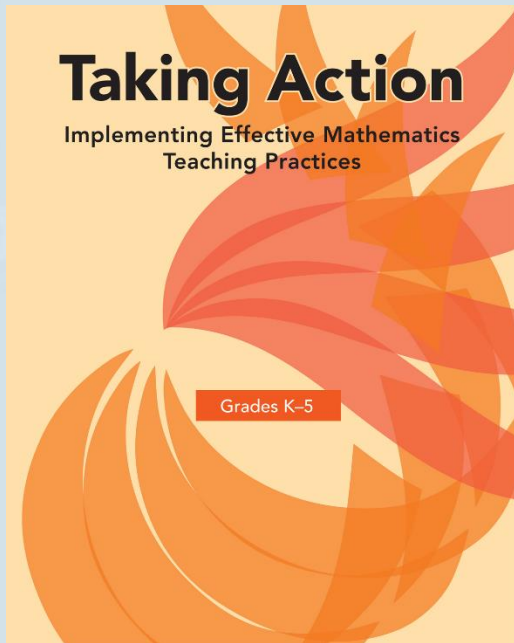
- Network and connect using the new member directory.
- Start or join discussions in the larger community or smaller groups.
- Interact with math education experts.
- Find discussions, people, and resources easily with improved search and filtering.
- Access lessons, thoughts, and resources from your peers, and share your own valuable insights and materials.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

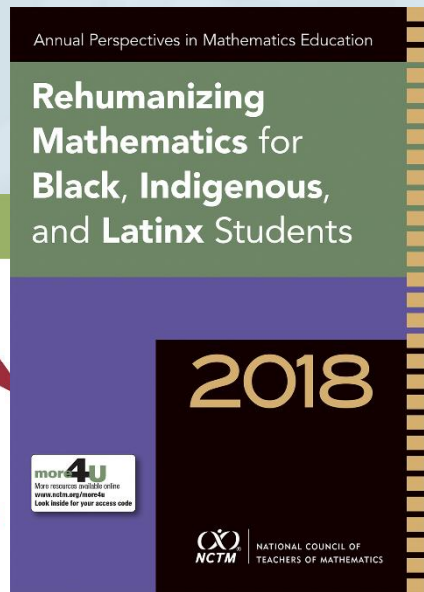
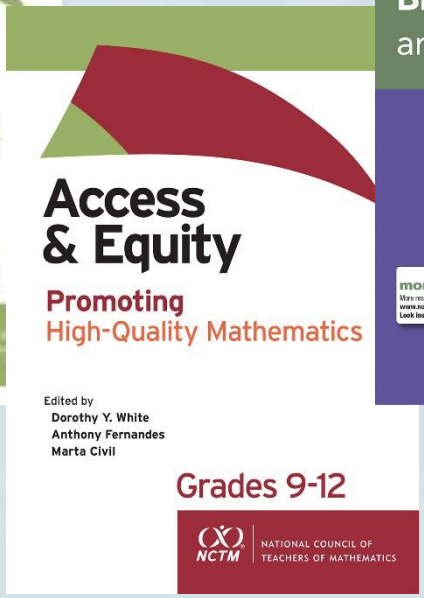
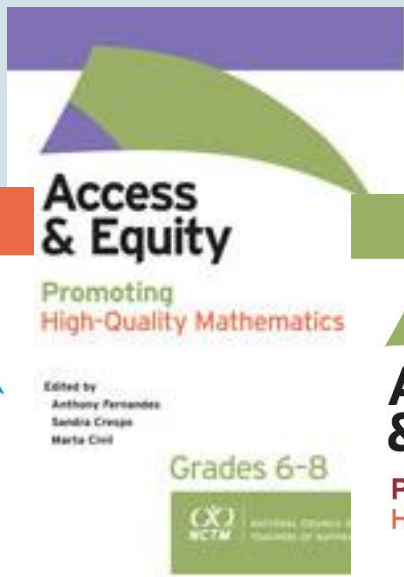
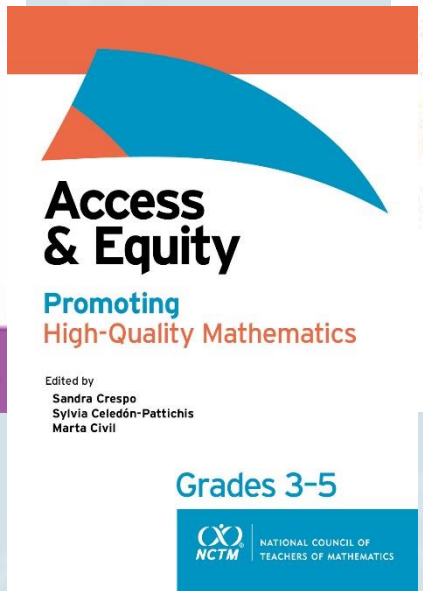
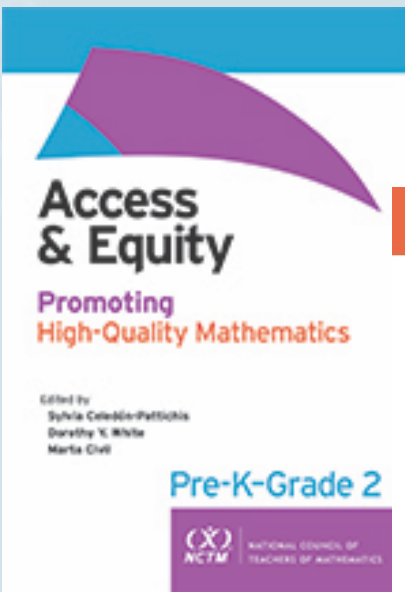


# Taking Action



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# Access, Equity, and Empowerment



# Advocacy

- Hill visits by NCTM Board members
- Support for Title II-A and Title IV-A of Every Student Succeeds Act (ESSA)
- Input on 5-year STEM strategic plan “Charting a Course for Success: America’s Strategy for STEM Education” from Committee on STEM Education and the National Science & Technology Council



# Advocacy

- Launching new advocacy portal and software on NCTM website
- Co-sponsor STEM Ambassadors program with NSTA
- 2019 NCTM Legislative Platform
- Steps taken toward more consistent advocacy and support for mathematics teachers and teaching



# 2019 Leadership Conference

## Leadership, Advocacy and Communication Strands

Affiliates are encouraged to send teams of at least two members to maximize the benefits of the conference.

Make hotel reservation by June 15, 2019.

Conference's registration closes July 8, 2019.

[www.nctm.org/Affiliates/Events/](http://www.nctm.org/Affiliates/Events/)



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# 2019 Regional Conferences

## NCTM Regional Conferences & Expositions **2019**

**BOSTON | SEPTEMBER 25-27**

**NASHVILLE | OCTOBER 2-4**

**SALT LAKE CITY | OCTOBER 16-18**

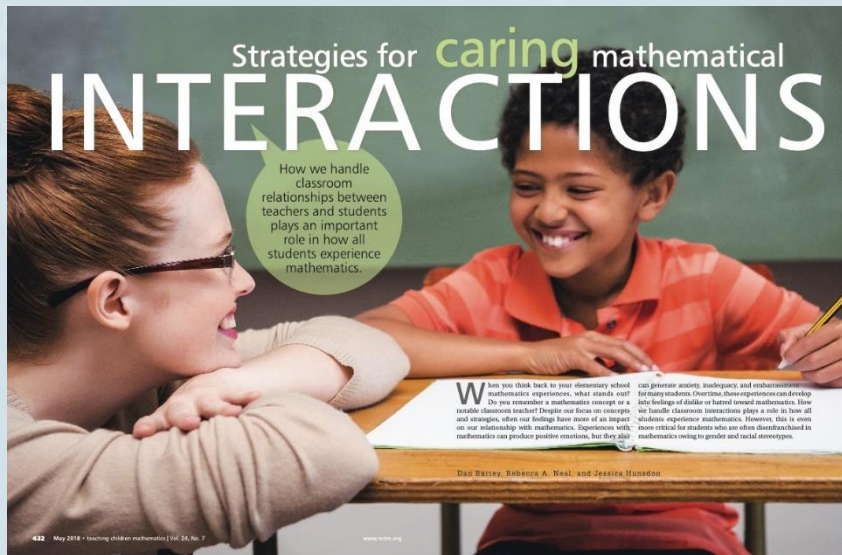
Plan your professional development  
opportunities!

[nctm.org/events](https://nctm.org/events)



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# Linking Research and Practice Outstanding Publication Award



*Teaching Children Mathematics*  
May 2018

## Strategies for Caring Mathematical Interactions

Dan Battey  
Rebecca A. Neal  
Jessica Hunsdon



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



# Linking Research and Practice Outstanding Publication Award



## Productive Struggle for All: Differentiated Instruction

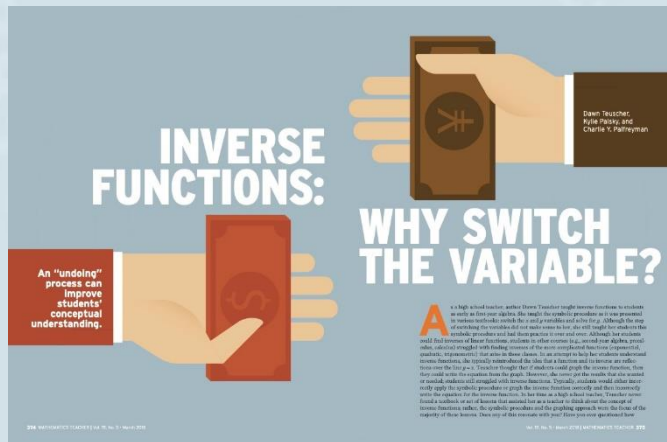
Sararose D. Lynch  
Jessica H. Hunt  
Katherine E. Lewis

*Mathematics Teaching in the  
Middle School*  
January/February 2018



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# Linking Research and Practice Outstanding Publication Award



## Inverse Functions: Why Switch the Variable?

Dawn Teuscher

Kylie Palsky

Charlie Y. Palfreyman

*Mathematics Teacher*  
March 2018



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# NCTM Affiliate Leadership Circle

## A joint NCTM-Affiliate membership effort

- An Affiliate can qualify for one of three recognition levels based on the percentage of its members who are also current members of NCTM.
- Levels and Percentage minimums: **Silver** (35%), **Gold** (50%), and **Platinum** (65%)

Leadership Circle members are annually recognized and receive a number of benefits



# 2018-2021

## Leadership Circle Member

### Silver Level Member

- Council of Presidential Awardees in Mathematics
- National Council of Supervisors of Mathematics
- New York State Association of Mathematics Supervisors



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# 2018-2021

## Leadership Circle Member

(continue)

---

### Silver Level Member

- Pennsylvania Council of Teachers of Mathematics
- Ten County Mathematics Education Association (New York)
- TODOS: Mathematics for ALL



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# 2018-2021 Leadership Circle Member

## **GOLD Level Member**

- Maryland Council of Teachers of Mathematics
- Texas Association of Supervisors of Mathematics



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

**Congratulations to the  
2018-2021 Leadership Circle  
Members who are currently in  
their second year of membership**



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

# Thank You

---

***Robert Q. Berry III***

NCTM President

[rberry@nctm.org](mailto:rberry@nctm.org)



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS





NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

[www.nctm.org](http://www.nctm.org)