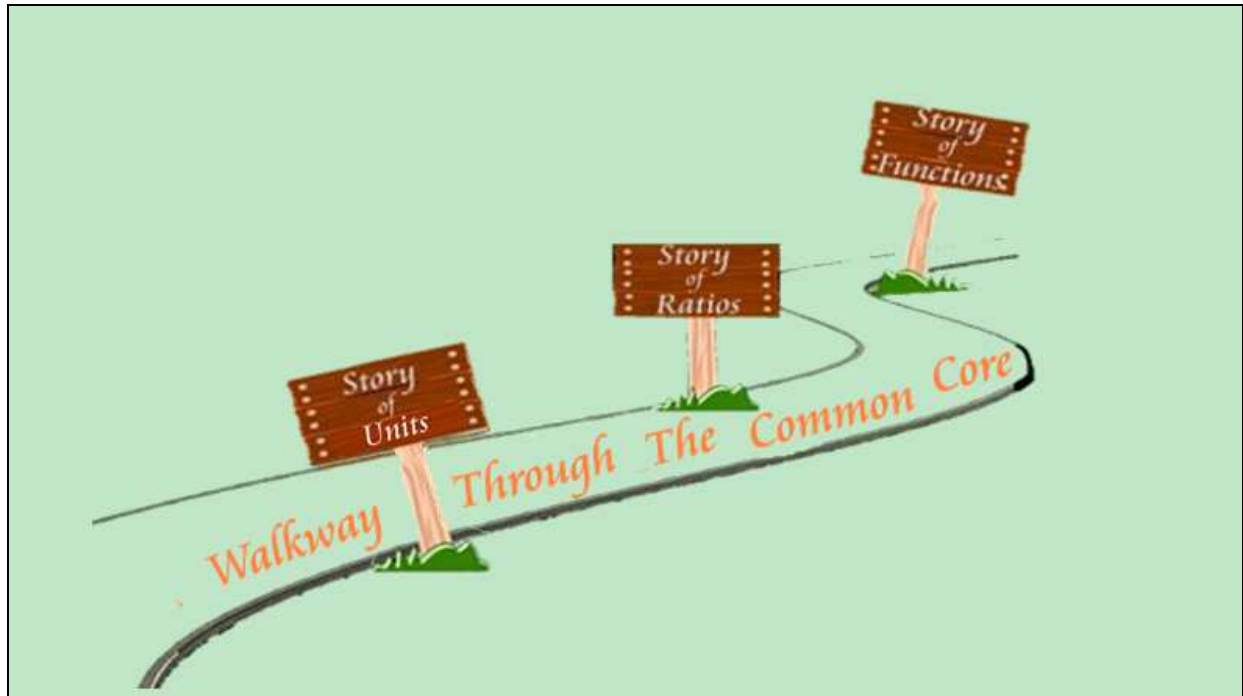


TEN COUNTY MATHEMATICS EDUCATORS ASSOCIATION
Columbia Delaware Dutchess Greene Orange Putnam Rockland Sullivan Ulster Westchester

in conjunction with the Orange-Ulster BOCES, present their
41st ANNUAL ONE DAY SPRING CONFERENCE



MARCH 12, 2016
8:00 a.m. to 3:30 p.m.

MARLBORO HIGH SCHOOL
Marlboro, New York

www.marlboroschools.org

Ten County Mathematics Educators Association

<http://tencountymath.com/>

2015-2016 Board of Directors

President – Michael Siuta, North Rockland High School

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Awards – Kelly Geraghty, Middletown High School

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2016 Site Coordinators

John Marallo, Marlboro High School

Robin Hecht, Director of Curriculum and Instruction Marlboro CSD

***If anyone is interested in joining the TCMEA Board of Directors,
please inquire at the Registration Desk.*

The TCMEA Board of Directors would like to thank:

- Marlboro Superintendent Michael Brooks, High School Principal Mr. Ryan Lawler, Director of Food Services Fred Callo, Director of Facilities Larry Cavazza, and Administrative Assistant Kathy Fabrizio for hosting this year's event
- The Orange-Ulster BOCES for their support and for the generous gifts
- All of our presenters for sharing their knowledge and expertise
- All of our exhibitors for introducing us to their new products
- Finally, to all of you for attending and keeping the spirit of mathematics education alive in the Ten County region

CONFERENCE SCHEDULE

7:30 am – 8:30 am	Registration—Main Lobby Breakfast— Cafeteria Exhibitors—Main Lobby
8:30 am – 9:00 am	OPENING SESSION—Auditorium Opening Remarks—Michael Siuta, President <i>‘What’s New in NYS Math Education?’</i> Business Meeting <i>Election of TCMEA Officers</i>
9:00 am – 10:00 am	Session 1: See Following Schedule
10:00 am – 10:30 am	Exhibitors—Main Lobby
10:30 am – 11:30 am	Session 2: See Following Schedule
11:30 am – 12:00 pm	Group 1: Lunch Group 2: Professional Networking and Exhibitors
12:05 pm – 12:35 pm	Group 1: Professional Networking and Exhibitors Group 2: Lunch
12:45 pm – 1:45 pm	Session 3: See Following Schedule
1:55 pm – 2:55 pm	Session 4: See Following Schedule
3:00 pm – 3:30 pm	CLOSING SESSION—Auditorium Final Remarks—Michael Siuta, President

****All attendees should pick up their**

Certificate of Attendance

in the Auditorium after the closing session.

**At that time, please return the conference survey
found in your folder**

SESSION 1 (9:00 am – 10:00 am)

#1—Dr. Marianne Strayton, TCMEA Board Member (K-5)

Room 19

“Sequencing that Matters: Looking More Closely at EngageNY Problem Set Pages”

The session will analyze Problem Set sheets from EngageNY Modules as teachers make choices of how to best use (and not use) problems.

#2—Lynda Brennan (K-5)

Room 45

“Making Middle School Math Come Alive with Games and Activities”

Participants will be actively engaged in working with games and activities to introduce or practice some basic math skills like probability or creating tables.

#3—Jim Matthews, AMTNYS Past President (6-12)

Room 42

“Columbus Day, Halloween, and More Holiday Problem Solving”

Participants will solve (about 4) problems that connect to functional relationships. Inductive reasoning and finding patterns is emphasized. We will also discuss hints, solutions, and ways to motivate students. These are great problems of the week for special times of the year.

#4—Lona Greenhouse (6-12)

Room 43

“Choose Your Fold”

Participants will be actively engaged in exploring mathematical concepts through various paper-folding activities

#5—Tom Beatini (6-12)

Room 10

“An Introduction to the NEW Casio Classwiz fx-991EX - a High Performance-High Resolution Scientific Calculator.”

Explore the functionality of Casio’s newest scientific calculator! It features comprehensive applications including a QR generator which transforms functions into graphs on a website.

#6—Eric Kantor (9-12)

Room 7 (Media Center)

“Teaching AP Calculus”

This session is primarily for teachers who have little or no experience in teaching AP Calculus. Please bring any questions and your TI-84 graphing calculator

#7—Lee Fothergil (9-12 and TE)

Room 40

“Introduction to GeoGebra”

Explore a short introduction to a free program that you can use in your classroom. We will look geometric constructions, linear regression, and other concepts. Bring your iPad or tablet and follow along, if possible.

#8—Joseph Perlman, TCMEA Treasurer (9-12)

Room 106

“TI Tips for Regents Success”

TI Tips for Regents Success: Give your students the best tools and tips to build confidence and score higher on high stakes exams. This session covers both the TI-84 Plus family and TI-Nspire family for NYS Math Regents exams.

#9—Robert Gerver (9-12)

Room 8

“Financial Algebra: A Great Way For Students To Get A 3rd Or 4th Year Math Credit”

A full year curriculum on algebra and personal finance will be presented. Free textbook, 20+ page packet, and PowerPoint will be given to all attendees.

SESSION 2 (10:30 am – 11:30 am)

- #10— Dr. Marianne Strayton, TCMEA Board Member (K-5) **Room 19****
“*Sequencing that Matters: Creating Fluency Practice Sequences that Help Students Make Connections*”
Experience fluency practices that connect where students are with where we want them to go.
- #11— Mark Jones (6-8) **Room 43****
“*Empowering Students to Make Mathematical Connections*”
Participate in activities that help find the connections between a rule, graph, table and context. Develop deep understanding of multiple ways to solve problems.
- #12— Cyrus Shojaei (6-8) **Room 45****
“*What Are You Talking About??*”
Using math vocabulary, conversation prompts and rubrics to understand and solve some of the mathematical concepts and problems covered in the Common Core (Story of Ratios)
- #13— Lee Fothergill (6-12) **Room 40****
“*Math Trails and other Hands on Activities*”
A discussion on how Math Trails can inspire your students to think like a mathematician. We will also look at other hands on activities that you could use in your classroom.
- #14— Beth Goldberg (6-12) **Room 42****
“*Combining Art and Mathematics in the Classroom by Exploring Tessellations.*”
Participants will work on a variety of activities exploring the mathematics behind tessellations and learn how tessellations have been used in art throughout history.
- #15— Tom Beatini (9-12) **Room 10****
“*Engaging Activities That Emphasize the FUN in FUNctions*”
Participants will be provided with classroom-ready lessons that enable students to discover fun ways to examine functional behavior and make sense of transformations.
- #16— Carlos Gomez (9-12) **Room 8****
“*Showbie and the Paperless Classroom-*”
Participants will be introduced to Showbie and its Pro features. Showbie is the fastest, easiest, and most effective app for assignments and feedback in your 1:1 or 1:2 iPad classroom. Please bring your school issued or personal iPad!
- #17— John Titterton (9-12) **Room 6****
“*Parametric Equations ... Awesome Curves!!*”
There is so much to see and talk about when investigating parametric equations. I'll do a little of this, some of that and a lot of the other. It's all fun !
- #18— Joseph Perlman TCMEA Treasurer (9-12) **Room 106****
“*Creating an Interactive Math Classroom*”
Give every student a voice that is seen instead of just heard. Send students lessons, activities, and assessments wirelessly. Have total classroom engagement and assist students anywhere in the classroom from the front. . This session covers the TI-Nspire family for NYS Math Regents exams
- #19— William Tozzo (General) **Room 7 (Media Center)****
“*Brain Friendly Math Teaching*”
Improve student understanding through simple strategies that rooted in strong cognitive psychology research.

SESSION 3 (12:45 pm– 1:45 pm)

#20— Dr. Marianne Strayton, TCMEA Board Member (K-5) **Room 19**
“*Sequencing that Matters: Looking At Word Problems*”
What makes word problems challenging? Easier? And how can we leverage choices to support student growth?

#21— Howard A. Stern (6-12) **Room 7 (Media Center)**
“*Making Math Visible*”
Using a “slide together” paper construction, participants will explore problem solving by creating a ball out of twenty paper triangles. This activity was developed by George Hart.

#22— Jay Schiffman (6-8) **Room 10**
“*Examining Sequences in the Upper Middle School Classroom*”
This hands-on workshop will focus on examining sequences which algebraic, geometric, Fibonacci-like and exponential in flavor. Please join us and explore.

#23— Jim Matthews, AMTNYS Past President (6-12) **Room 42**
“*Christmas, New Year’s, and Valentine’s Day Problem Solving*”
Participants will solve (about 4) problems that connect to functional relationships. Inductive reasoning and finding patterns is emphasized. We will also discuss hints, solutions, and ways to motivate students. Great problems of the week for special times of the year will be explored.

#24— Joseph Perlman, TCMEA Treasurer (6-12) **Room 106**
“*Common Core Strategies to interviewing*”
Using specific, easy strategies increase your chances of getting a job in a narrow job market. From preparation and research, to practice and implementation, we will talk about all key components to standing out from a crowd of applicants.

#25— Ellen Falk, AMTNYS Vice-President (9-12) **Room 43**
“*Mathematics Meets the Cryosphere!*”
This session will be content rich, project based, authentic and real time. It will apply mathematical modeling to give greater understanding of Arctic Sea Ice changes and the connection to climate change. SPACE MATH and NASA data base sources are explored and used. There is more to the story. STEM, CCLS Algebra 1,2.

#26— Sharon Ciccone and Maria Michelsson, TCMEA Board Member (9-12) **Room 215**
“*Pizza – Pizza: Which is Which?*”
Come and explore solving systems of equations graphically. Participants will be given materials, websites, etc. that support students’ understanding of the process and concepts involved. (Such programs as Geogebra and Desmos will be used).

#27— Robert Hohn (General) **Computer Lab**
“*Quick Assessment Tools*”
Participants will be introduced to QuickKey, Flubaroo, and Plickers, after which they will have time to incorporate these tools into their lesson plans. *Device (iPad/tablet/laptop) suggested*.

#28— Jim Carpenter (9-12) **Room 8**
“*An Investigation of Linear Functions*”
Functions play a key role in CCSS-M. This session explores definitions of linear functions and three standard forms: slope-intercept, homogeneous, and the less familiar intercept

#29— Heidi Bromley, NYSAMS President (9-12) **Room 2**
“*Bridging the Impossible Gap to Common Core in Algebra 2*”
This session will address the differences between the ‘old’ and ‘new’ alignment of standards on the Regents assessments, and we will discuss strategies to make the most of the remainder of this school year.

SESSION 4 (1:55 pm– 2:55 pm)

#30— Heidi Bromley, NYSAMS President (K -5)

Room 2

“Start with the Story”

The greatest challenge facing students and teachers is how to interpret and communicate through word problems and their solutions. Let’s change perspective—focus on the story first, numbers later, and apply the practices to how we synthesize and communicate our solution.

#31— Alexis Andrews (3-5)

Room 106

“Financial Fitness for Life”

Reinforce your students’ math skills while teaching them important personal finance concepts such as comparison shopping, budgeting, and more.

#32— Jay Schiffman (3-5 and TE)

Room 10

“Patterns, Puzzles and Games in the Elementary Classroom”

This hands-on workshop will focus on neat activities involving number patterns, factors, primes and multiples using manipulatives such as color tiles and fraction tiles.

#33— Peter Arvanites (6-12)

Room 19

“Stealing Bases: Using Magic Number Cards to Present the Base Two Number System”

Participants will be shown a trick involving magic number cards and then discuss why the trick works, revealing a connection between the base ten and base two number systems.

#34— Jim Matthews, AMTNYS Past-President (6-12)

Room 42

“St. Patrick’s Day, Cinco de Mayo and More Holiday Problem Solving”

Participants will solve (about 4) problems that connect to functional relationships. Inductive reasoning and finding patterns is emphasized. We will also discuss hints, solutions, and ways to motivate students.. Great problems of the week for special times of the year will be explored.

#35— Jamie Baumann (9-12)

Room 436

“Using the Google App in Your Classroom”

Participants will explore how to use the Google App in the math classrooms of today.

#36— Michael Siuta, TCMEA President (General)

Room 7 (Media Center)

“Department Coordinator/Chairman Roundtable”

Come meet your colleagues from around the Ten County region to discuss important issues facing New York’s mathematics teachers.

NYSED News

Unfortunately no representative from SED is able to join us this year. However, the following is a memo that was sent out recently that has some important information....

From the New York State Education Department, FYIs and reminders that may be of interest to you.

(1) New proposed process and timeline for development and implementation of new ELA and Math standards, curriculum, and assessments.

On Monday Feb. 22nd, at the Board of Regents meeting, Commissioner Elia shared the State's plan for the development of new ELA and Mathematics standards, thereby extending the work that was started by the AimHighNY survey. A new proposed timeline, contingent on funding to support the revision and implementation, described the opportunities for involvement throughout the standards development process, the timeframe available to local schools and districts to create curriculum and related instructional resources that are consistent with the new standards, and the State's tentative plans for when new assessments based on the new standards will be available. The Board of Regents agenda item and presentation are available at: <http://www.regents.nysed.gov/meetings/2016/2016-02/p-12-education>

(2) Briefing to the Board of Regents on the Every Student Succeeds Act (ESSA).

Also on Monday Feb 22nd, at the Board of Regents meeting, the Board heard a presentation about the new Federal Every Student Succeeds Act (ESSA), which takes the place of the "No Child Left Behind" legislation. . The Board of Regents agenda item

<http://www.regents.nysed.gov/meetings/2016/2016-02/meeting-board-regents> The Board of Regents agenda item and presentation are available at:

(3) Continued recruitment of educators to help with assessments.

The New York State Education Department (NYSED) is continuing to recruit skilled individuals to assist with the development of our Grade 3-8 ELA and Mathematics assessments. This call for involvement is to complement and continue to build our bank of educators who have already been nominated in the past to participate in our development processes (those who have already expressed interest need not reapply, but are welcome to further indicate their interest in being considered for future work).

On March 15th and 16th, 2016, NYSED and Questar Assessment Inc. will host our next "Educator Passage Review." Educator Passage Review is a two-day meeting in which educators will review selected reading passages to determine whether they should be used on future tests. As such, NYSED is requesting nomination of qualified educators to participate Educator Passage Review. Participating educators will review passages to ensure that each is:

1. developmentally appropriate,
2. appropriately complex for the grade level,
3. within grade-level expectations,
4. an appropriate length, and
5. fair and appropriate for students in New York State.

NYSED is looking for nominees who:

- are representative of the diverse students that attend New York State schools,
- possess extensive experience and/or certification in:
 - English language Arts/childhood literacy;
 - meeting the literacy needs of English Language Learners;
 - meeting the literacy needs of Students with Disabilities; and/or
 - literacy in history/social studies, science, & technical subjects, and
- have a commitment to or background in social justice.

During Educator Passage Review, a separate committee of educators will be convened to review passages for each grade level. Participants will be required to attend both days of the meeting in person in Albany. Reimbursement for travel expenses, lodging, and a stipend will be provided to committee members by Questar Assessment, Inc. For those educators who are unable to accept stipends the stipend will be provided to the educator's school district.

NYSED requests that organizations (school districts / BOCES, professional organizations, etc.) nominate classroom teachers and experienced educators they feel can best enhance the quality of the New York State Testing Program. While nominees who are active classroom teachers will be prioritized for selection, coaches, literacy specialists, and other educators (including at the college and university level) who work directly with students or teachers on literacy topics will be considered so long as they can demonstrate expertise at a specific grade or grade band. Administrators who do not actively work in literacy will not be considered for this specific test development activity. The goal of nomination and selection is to ensure a successful, productive Educator Review Meeting and enhance the quality of the 3-8 testing program.

Please submit the names and contact information, ideally for at least one candidate per grade level, for participation in Educator Passage Review to Ross Garmil (ross.garmil@nysed.gov) by **February 26, 2016**. Educators selected for the Passage Review workgroups will be notified on **February 29, 2016**. To express involvement in future opportunities, feel free to continue to express interest by emailing Ross Garmil after February 26th.

Please indicate if, to your knowledge, the candidates have completed the online application to participate in the test development process (<https://www.research.net/s/NYSTPRecruit>). For individuals previously nominated for other NYSED test development activities, there is no need to re-nominate these individuals; however, feel free to let us know if prior nominees are particularly well-suited for this activity. For those who have not previously submitted the application, be sure to indicate the name, contact information, content area and grade level(s) taught, gender, ethnicity, and expertise for each nomination.

(4) Release of new Grade 3-8 ELA and Mathematics computer-based testing question sampler.

This spring, many students across New York State will take the New York State Grades 3-8 ELA and Mathematics Field Tests on computer for the first time. Educators, students, and parents need tools to help students get comfortable taking a test on a computer. A New York State Question Sampler is now available for educators, students, and parents.

Additional information, including how to access the sampler, see:

<http://www.p12.nysed.gov/technology/CBT/questionsampler/home.html>

(5) Release of new field advisory on testing accommodations.

NYSED recently released a memo to reiterate the State's policy on the appropriate identification and implementation of testing accommodations for students with disabilities and students who are English Language Learners (ELLs).

This memo is located at:

<http://www.p12.nysed.gov/assessment/accommodations/testingaccomell-16.pdf>

As always, please feel free to contact us at emscassessinfo@nysed.gov with questions, suggestions, and concerns.

Peter Swerdzewski
Assistant Commissioner for Assessment, Standards, and Curriculum
New York State Education Department

Ten County Mathematics Educators Association Conference History

1976—John Jay High School, Wappingers Falls
1977—Hendrick Hudson High School, Montrose
1978—Newburgh Free Academy, Newburgh
1979—SUNY New Paltz, New Paltz
1980—Spring Valley High School, Spring Valley
1981—A.M. Dorner Middle School, Ossining
1982—George Fischer Middle School, Carmel
1983—Middletown High School, Middletown
1984—White Plains High School, White Plains
1985—Monroe-Woodbury High School, Monroe
1986—Spackenkill High School, Poughkeepsie
1987—H.C. Crittendon Middle School, Armonk
1988—Newburgh Free Academy, Newburgh
1989—Mahopac High School, Mahopac
1990—SUNY New Paltz, New Paltz
1991—Walter Panas High School, Cortlandt Manor
1992—Woodlands High School, Hartsdale
1993—Minisink Valley High School, Slate Hill
1994—Clarkstown South High School, West Nyack
1995—Mount Vernon High School, Mount Vernon
1996—Mount St. Mary College, Newburgh
1997—Arlington High School, Arlington
1998—Lincoln High School, Yonkers
1999—Horace Greeley High School, Chappaqua
2000—Arlington High School, Arlington
2001—Monroe-Woodbury High School, Monroe
2002—Minisink Valley High School, Slate Hill
2003—North Salem High School, North Salem
2004—H.C. Crittendon Middle School, Armonk
2005—North Rockland High School, Thiells
2006—Cornwall High School, Cornwall
2007—Putnam Valley High School, Putnam Valley
2008—John Jay High School, Cross River
2009—Middletown High School, Middletown
2010—Beacon High School, Beacon
2011—Rye Neck High School, Mamaroneck
2012—Tappan Zee High School, Orangeburg
2013—Middletown High School, Middletown
2014—Ossining High School, Ossining
2015—North Rockland High School, Thiells
2016—Marlboro High School, Marlboro
2017—**YOUR SCHOOL**

**If you are interested in hosting this event in the future,
please speak to someone at the registration desk**

UPCOMING CONFERENCES

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS (NCTM)

2016 Annual Meeting & Exposition
April 13-16, 2016 • San Francisco, Ca.

Regional Conferences

- Phoenix, AZ. • October 26–28
- Philadelphia, PA. • October 31–November 2
 - **New: Innov8 Conference**
St. Louis, MO. • November 16–18

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ASSOCIATION OF MATHEMATICS TEACHERS OF NEW YORK STATE (AMTNYS)

The First New³ Math Conference
At Iona College New Rochelle, NY
June 27-29

66th Annual Fall Conference
November 10-12, 2016
Rye, NY

NEW YORK STATE ASSOCIATION OF MATHEMATICS SUPERVISORS (NYSAMS)

Hall of Fame and Leadership Summit
Albany, New York
September 23 – 24, 2016

TEN COUNTY MATHEMATICS EDUCATORS ASSOCIATION (TCMEA)

42nd Annual Conference
Date and Site TBD
March, 2017

**The Ten County Mathematics Educators
Association would like to thank the
following Exhibitors for attending today's
conference:**

Casio America, Inc.
Continental Press
CPM Educational Program
Houghton Mifflin Harcourt
McGraw Hill/Glencoe
Pearson
Perfection Learning
Rally! Education
Reasoning Mind

MORE MATH FOR MORE PEOPLE

CPM EDUCATIONAL PROGRAM

SUPPORTING EDUCATORS, ENGAGING STUDENTS

For over 25 years CPM EDUCATIONAL PROGRAM has been writing problem-based student-centered course materials. We support and empower the mathematics education community through exemplary curriculum for grade 6 through calculus, comprehensive professional development, and leadership.

We are pleased to support the Ten County Mathematics Educators Association. Stop by our booth to meet with a CPM mentor teacher, to see our materials and request a preview, and to learn more about CPM and our summer program for new teachers.



CPM EDUCATIONAL PROGRAM
an educational 501(c)(3) nonprofit

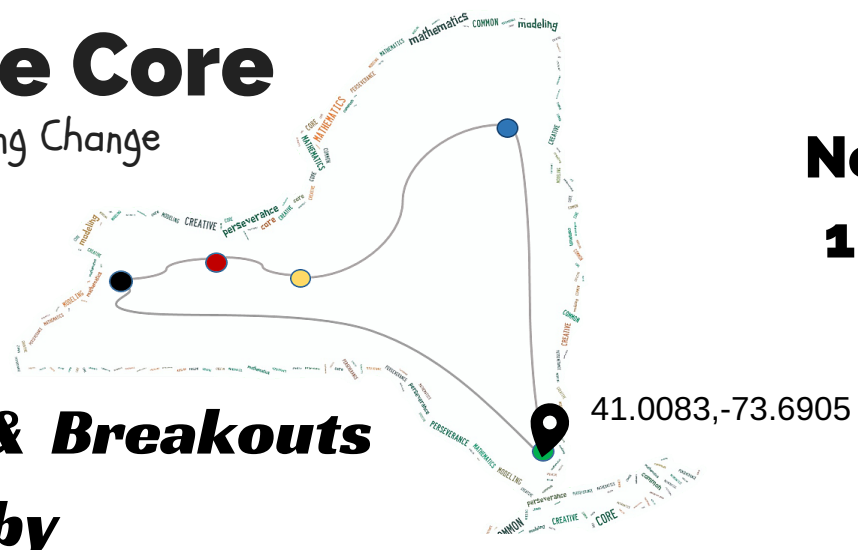


AMTNYS ANNUAL CONFERENCE



Road to the Core

Driving Success, Steering Change



Rye, NY
November
10th-12th
2016

Keynotes & Breakouts

by

Nils Ahbel and Daniel Willingham

Keynote Speaker Nils Ahbel has been a high school math teacher for 30 years. He is passionate about revitalizing mathematics by making it relevant to the lives of students and preparing them for college, work, and the challenges of the 21st Century. He is the lead math teacher on the product development team for the iPad/tablet PC software FluidMath. Recently he wrote Algebra curriculum aligned with CCSS with grants from the U.S. Department of Ed. visit : www.ahbel.com

Keynote Speaker Dr. Daniel Willingham earned his B.A. from Duke University in 1983 and his Ph.D. in Cognitive Psychology from Harvard University in 1990. He is currently Professor of Psychology at the University of Virginia, where he has taught since 1992. Until about 2000, his research focused solely on the brain basis of learning and memory. Today, all of his research concerns the application of cognitive psychology to K-16 education. He writes the **"Ask the Cognitive Scientist"** column for American Educator magazine, and is the author of **Why Don't Students Like School?, When Can You Trust the Experts?, and Raising Kids Who Read**. His writing on education has appeared in fourteen languages. Visit : www.danielwillingham.com

Speaker Proposals are open! Looking for variety!

www.amtnys.org