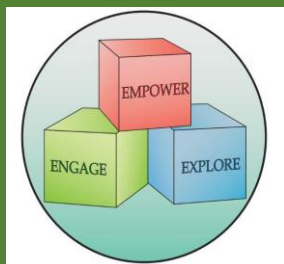


The Association of Mathematics Teachers of New Jersey



2-Day Annual Conference

Friday, October 25, 2019

Saturday, October 26, 2019

Crowne Plaza Princeton – Conference Center

Keynote Speaker: Jim Matthews, Siena College, NY (October 25 and 26)

During his tenure at Siena, Jim has taught mathematics, computer science, and courses for the education department including supervision of student teachers. Prior to joining the faculty at Siena, Jim was a secondary mathematics teacher in Chatham, NY, and he has taught mathematics for many years in kindergarten through 6th grade classrooms. Jim has given hundreds of conference presentations and written articles based on ideas for improving the teaching of mathematics and computer science. Jim has conducted numerous workshops for mathematics educators, directed and consulted on many grant projects, and helped establish undergraduate and graduate programs for mathematics and science teachers at Rensselaer Polytechnic Institute. Jim has been recognized with a NYNEX award for Excellence in Education, with the Siena College Teaching Award and was an inaugural inductee into the New York State Mathematics Educators Hall of Fame.



Featured Speakers:

Gail Burrill, Michigan State University (October 25 and 26)

Currently an Academic Specialist in the Program for Mathematics Education at Michigan State University, Gail Burrill was a secondary teacher and department chair in suburban Milwaukee, Wisconsin for over 28 years. She received the Presidential Award for Excellence in Teaching Mathematics, the NCTM Life-Time Achievement Award, the Ross Taylor/Glenn Gilbert NCSM service award, is an elected member of the International Statistics Institute, and served as President of the National Council of Teachers of Mathematics and as Director of the Mathematical Sciences Education Board. Burrill co-chaired the College Board Commission on the Calculus Framework and is currently chair of the College Board's Advanced Placement Calculus Development Committee.



Robert Gerver, The Institute for Creative Problem Solving, NY (October 25)

Robert Gerver, Ph.D, received the Presidential Award for Excellence in Mathematics Teaching from President Ronald Reagan in 1988, and his Ph.D. from NYU in 1990. He has authored 25 math books and numerous journal articles. His math research program, Writing Math Research Papers, received the 1997 Chevron Best Practices in Education Award as the premier high school mathematics course in the USA. Dr. Gerver taught at North Shore High School on Long Island for 40 years, and was inducted into the LI Math Educators Hall of Fame in 2016 and the NYS Math Educators Hall of Fame in 2017. He currently teaches at The Institute for Creative Problem Solving at SUNY Old Westbury, in a math research program for high school students from all over Long Island. He is also the drummer of the USA's longest running Sixties tribute band, Just Sixties, which he founded in 1982.



Conference at a Glance – Sampling

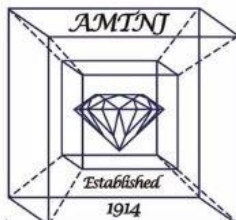
Teachers, Coaches, Supervisors and Administrators	
Professionalism, Equity, Advocacy	<ul style="list-style-type: none"> • Let's Do the Math: Creating Effective Systems to Build Content Knowledge ~ <i>Ashley Baldwin</i> • Mathematical Mindset, Equity, and Culture ~ <i>Dominique Vetrano</i> • Challenges in Mathematics Education: A Call to Action ~ <i>Eric Milou</i> • Conferring Essentials in the Elementary Classroom: Tools of the Trade ~ <i>Stephanie Slabic</i> • Developing Caring Relationships in Mathematics ~ <i>Dan Battey</i> • *Self-Paced Math Class ~ Reaching All Learners, <i>Daniel Shirvanian</i> • Reflective Meditations in the Mathematics Classroom ~ <i>Payal Patel</i>
Pedagogy and Instructional Practice	<ul style="list-style-type: none"> • Oh yes you can! Motivate and Engage All Your Students! ~ <i>Denise McKeown</i> • Bold Leadership: Reimagining Professional Learning at the State and District Level, <i>Sue Vohrer</i> • Have No Fear - Get Your Teacher Super Power Here ~ <i>Roxanne Tsambarlis</i> • Diffuse the Disruptions and Keep on Teaching! ~ <i>Felicia Mizgorski</i> • *Putting Students in the Driver's Seat with Blended Learning ~ <i>Kristy Braschi</i>
PreK-5	
Assessment for and of Learning	<ul style="list-style-type: none"> • Assessing and Developing Students' Problem-Solving Strategies and Habits of Mind ~ <i>Michael Cassaro</i> • Developing Flexibility and Fluency. Assess your Students' Mathematical Thinking and Help Them Become Proficient Mathematicians ~ <i>Jaclyn Derwin</i>
Building Mathematical Knowledge for Teaching	<ul style="list-style-type: none"> • Counting Counts ~ <i>Joe Schwartz</i> • Big Ideas with Small Numbers ~ <i>Alexandra Clayton</i> • Do the Math - Professional Learning Across Grade Levels ~ <i>Kristin DeLorenzo</i>
Pedagogy and Instructional Practice	<ul style="list-style-type: none"> • The Shape of Things: Exploring Geometry through Modern Art Masterpieces ~ <i>Laurie Bayless</i> • Revitalizing Early Childhood Routines to Develop Deep Reasoning ~ <i>Antonia Cameron</i> • Let's Talk About Talking: Scaffolds to Strengthen Student Sharing ~ <i>Cheryl Fricchione</i> • Measurement is More Than Being Able to Read a Ruler! ~ <i>Renee McShane</i> • Adventures in Number Sense ~ <i>Thomas Walsh</i> • Eight Math Lies That Are told To Students ~ <i>Rachel McAnallen</i> • STEM in Pop-Up Books – Empowering Students to Learn Math ~ <i>Sandy Vorensky</i> • You Can Do the Rubik's Cube ~ <i>Deborah Gullo</i> • Just-Right Games: Developing Fluency for All Learners ~ <i>Jennifer Costanzo</i>
6-8	
Assessment for and of Learning	<ul style="list-style-type: none"> • *Getting feedback in the math classroom ~ <i>Daniel Twisler</i> • *Show Us AND Tell Us: Screen Recording for Mathematical Thinking ~ <i>Kim Lowden</i> • *Differentiate on the Daily ~ <i>Jodi Dunkelmann</i>
Building Mathematical Knowledge for Teaching	<ul style="list-style-type: none"> • Building Number Sense Through Pattern Connections: The Amazing World of Figurate Numbers ~ <i>Hugh Green</i> • Pythagorean Play, Perception, Puzzles and Proofs ~ <i>Mark Schlawin</i>
Pedagogy and Instructional Practice	<ul style="list-style-type: none"> • Passing the Dinner Table Test by Engaging and Empowering Middle School Mathematicians ~ <i>Jim Matthews</i> • *Creating Digital Lesson with Desmos ~ <i>Nick Corley</i> • *Turn-and-Talk 2.0: Technology Tweaks to Improve "Math Talk" ~ <i>Lauren Vargas</i> • Don't Do Now ~ <i>Andrea Bean</i> • Algebra in the Middle Grades ~ <i>Frank Gardella</i> • Using TedEd Riddles to Teach Problem Solving in Middle School ~ <i>Nicole Ealey</i> • STEM-ulating Activities for People and the Planet (simulations, mathematical modeling, data analysis, current events) ~ <i>Judy Levine</i> • Something to Talk About: Cultivating Divergent Thinking and Mathematical Discourse ~ <i>Brenda Konicke</i> • Choice in the Mathematics Classroom ~ <i>Carri Strunk</i>

9-12 and Beyond	
Professionalism, Equity, Advocacy	<ul style="list-style-type: none"> Developing Core Concepts in Calculus: The Role of Technology ~ <i>Gail Burrill - NCTM Past President, Michigan State University</i> Alternative Pathways for Struggling Students to Get 4 Math Credits ~ <i>Robert Gerver</i> SAT for Graduation, College Readiness and Street Cred ~ <i>Robin Schwartz</i>
Assessment for and of Learning	<ul style="list-style-type: none"> Aligning Formative and Summative Assessments to NJSLS ~ <i>Kevin Dziuba</i> Using Student Self-Assessment to Increase Mastery for All Learners ~ <i>Lizzy Skousen</i> Engaging with Students Through Reassessment ~ <i>Caitlin Murphy</i>
Building Mathematical Knowledge for Teaching	<ul style="list-style-type: none"> Rational Function Investigation ~ <i>Dawn Recentio</i> Reasoning with Rate of Change: Comparing Quadratics and Exponentials ~ <i>Madhavi Vishnubhotla</i> Engaging and Exploring with Fibonacci and Fibonacci-like Sequences ~ <i>Jay Schiffman</i> *Trigonometric Ratios and Identities: A Geometric Approach ~ <i>Angelo Villanueva</i>
Pedagogy and Instructional Practice	<ul style="list-style-type: none"> Solving Problems with Calculus, Not Calculus Problems ~ <i>Robert Rogers</i> *Escape the Google Form: Breakouts You Can Use Monday! ~ <i>Kristen Huang</i> *The Desmos Card Sort ~ <i>Kathleen Carter</i> Definitions in the Mathematics Classroom ~ <i>John Kerrigan</i>

*This session includes technology integration

Schedule is subject to change based on speakers' availability. All updates will be posted on <http://amtnj.org/register-for-the-annual-two-day-conference/>

WE ARE LOOKING FORWARD TO SEEING YOU IN OCTOBER!



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