

Nassau County Mathematics Teachers Association Nassau County Association of Math Supervisors Present a K-8 Conference

HOW TO MAKE MATH COUNT

Molloy College Thursday, January 13, 2022 8:00 A.M. – 2:15 P.M.

We are pleased to announce that NCMTA and NCAMS will sponsor *The How To Make Math Count K-8* conference, held at Molloy College, Rockville Centre, NY, on Thursday, January 13, 2022. Join us for this special day, designed to meet the curriculum and assessment concerns of elementary and middle school teachers. Workshops include teacher-tested ideas, models, demonstrations, techniques, and hands-on activities that can be used in the classroom the very next day. We are fortunate to again have exhibitors so you will have an opportunity to speak with vendors and peruse materials.

This year we are thrilled to have leading mathematics educator **Caryl Lorandini** delivering the keynote address, "Why Not Me?" Caryl Lorandini, comes from our very own Long Island Mathematic Educators Hall of Fame. Caryl Lorandini is currently a High School teacher at Carle Place MSHS. She has taught a multitude of grades from Kindergarten to High School spending the majority of her teaching as a Middle School teacher. Her work as Past-President of NCMTA and AMTNYS, as well as a Board Member of NCAMS, LIMACON, and MOEMS spans over 20 years. She is a New York State Master Teacher Emeritus and a Nationally Board-Certified Teacher. Come learn how to say, "Why not me?" Caryl will share her motivation and experiences that have led to a deeper understanding of student learning and a love of teaching.

We are happy to offer online registration and payment. The cost is \$65, (full-time students or student teachers, \$45), which includes the keynote speaker, two workshops, venders, continental breakfast, and lunch.

Please note: We need to comply with Molloy College protocols. ALL ATTENDEES MUST SHOW PROOF OF VACCINATION WHEN THEY PICK UP THEIR REGISTRATION MATERIALS. Also, currently everyone in a common indoor space at Molly must wear a mask, regardless of vaccination status. Masks can be removed to eat and when outside.

To Register with a Purchase Order or Credit Card please use this link

https://ncmta.memberclicks.net/

If paying by a credit card please submit NA for any purchase order fields. You will receive immediate confirmation of your registration. Online Registration will close on January 6, 2022. You will receive an email reminder by January 8, 2022.

If you do not receive a confirmation by January 8, 2022, make sure to contact us at make-mathcount@aol.com. Your schedule for the day will be waiting for you at the registration desk in the lobby of Wilbur Arts Center on January 13, 2022.

Participants will be scheduled for the keynote address, two out of three sessions, lunch and time to visit the exhibit area. *Lunch is included in the cost of the conference*. If you have any questions about the program or registration, call Suzanne Golder at 516-662-8378 after 3:15 pm or email makemathcount@aol.com.

CONFERENCE TIME SCHEDULE				
Registration, Coffee, Commercial Exhibits	8:00	1	9:05	
Keynote Address	9:15	-	10:30	
Session 1	10:45	-	11:45	
Session 2 or Lunch and Commercial Exhibits	12:00	-	1:00	
Session 3 or Lunch and Commercial Exhibits	1:15	-	2:15	

How to Make Math Count Planning Committee

SESSION CHOICES

- 1. **The Game is On!** Children need to interact with mathematics in order to truly understand it. Games provide a way for children to interact in a comfortable environment to practice already learned skills. The games presented at this workshop can be played with a partner or in groups. When children can bring these games home and share them with their families, it allows them to share their learning and their thinking. **Audrey Bellovin**, Garden City Schools, Gr K-1.
- 2. **Jumpstart Your Kindergarten and First Grade Math Class!** Participants will be actively engaged in several fun and engaging math activities that can be used the very next day. Learn how to incorporate the Greatest No, Esti-Mysteries and several other engaging math activities that will energize your math routine. Get ready to talk the math, as workshop participants will participate in math routines that will be presented in this engaging workshop. **Leticia Cuthbertson** and **Christine Lofaro**, Huntington Schools, Gr K-1.
- 3. **Block Programming with Scratch Jr. on iPad/Android Tablets to Enhance Math Curricula** Get an introduction to block programming with Scratch Jr. on your iPad or Android tablet and see how it can enhance math curricula. In this workshop we will look at specific topics geared toward K-2 students. Scratch Jr. offers exciting interface for presenting topics while introducing students to block programming concepts. Bring a tablet to participate in the hands-on component. **JoAnne Thacker**, Nassau Community College, Gr K-2.
- 4. **Foundations in Fluency Defining and Propelling Number Sense in the Primary Grades** Participants will learn why and how Oceanside is working to propel a standards-based definition of mathematical fluency as well as provide building block strategies and activities to fortify early learners with experiences that build number sense and fluency. **Jessica Keegan** and **Gwyn Solomon**, Oceanside Schools, Gr K-2.
- 5. **Mathematize Your Classroom** This workshop will focus on the many ways we can incorporate math activities into our classrooms to reinforce skills and make learning exciting. These activities will be perfect for centers and to differentiate instruction in your classroom. You will leave with many great ideas, printable games, and templates you can use the next day. **Laura Marks**, Island Trees Schools, Gr K-4.
- 6. **Making Math Meaningful Through Number Talks, Pictures, and Numberless Word Problems** Learn how to make math more meaningful and engaging through the use of numberless word problems, number talks, and photographs. Participants will learn about various strategies that can be easily implemented in the classroom with little to no prep time. **Kelly DiPretoro**, Levittown Schools, Gr K-5.
- 7. Conversations, Confidence & Collaboration In Mathematics This workshop was designed to provide teachers with strategies to make students more successful and confident in math through mathematical discourse and infusing the growth mindset. Students with growth mindsets are willing to put in effort even when it's challenging. Elementary teachers will learn about productive struggle and walk away ready to implement strategies to facilitate a deeper understanding of mathematics and boost confidence in their students. It's not that I'm so smart, it's just that I stay with problems longer. Albert Einstein. Rosalie Ambrosio and Lauren Cassidy, Valley Stream 13 Schools, Gr K-6.
- 8. Kinesthetic Strategies to Boost Math Outcomes— Brain scientists have identified that movement is essential for enhanced brain function, circulation, focus, concentration, learning and retention. Join us for this fun, energizing, and interactive virtual training! Learn practical, kinesthetic strategies for making math fun, boosting fluency, building number sense, supporting the NYS next Generation Learning standards, and helping students recover from learning losses due to "COVID slide." All participants will receive the Math & Movement Training Manual e-book that contains over 250 engaging math-movements. In 60 minutes, you will learn how easy it is to include fun math practice into your lessons. Suzy Koontz, Math & Movement, Gr K-6.

- 9. **Using Origami to Introduce the Properties of a Square** We will use 6 inch and 8 inch origami paper, along with 8 and one half inch squares, made from 8 ½ by 11 in letter size paper, to introduce the properties of a square. Origami shapes will be constructed after we explore the properties of a square. **Helen Rodney**, Bronx/AMTNYS, Gr K-8.
- 10. **Math Is ... Focus on Sense Making.** For students to understand mathematics deeply, they need the opportunity to make sense of it. Learn what sense making really means, what you can do to promote it, and what your students will be able to do. OR Math Is ... Routines. Number Sense and reasoning are critical to success in Mathematics. These aren't developed in a lesson but through daily routines. This session unpacks how we can advance both through practical and engaging daily routines. **John SanGiovani, Annie Fetters,** and **Erin Stephens,** McGraw Hill, Gr K-8.
- 11. *I Used to Think*...*Now I Think*... *Using Thinking Routines in Mathematics* In this interactive session, which aligns with the NYS Standards for Mathematical Practice, participants will explore how to incorporate Project Zero's Thinking Routines into the K-8 math classroom. Participants will explore when and how to incorporate numerous thinking routines in math lessons and units. Attendees will also receive ready-made takeaways that can be implemented tomorrow. Materials will be available electronically. **Dr. Lisa Peluso**, and **Francine Wisnewski**, Molloy College, Gr K-8
- 12. **Humanity Reboot** This workshop focuses on Unity and Inclusion. Discussion on race, the history of race, rebooting humanity back to the basics of Respect, Acceptance, Compassion and Empathy through discussion, reflection and music. A new mindset of ONE RACE: HUMAN RACE. **Sally Schrader**, NCMTA, Gr 1-8.
- 13. **Jumpstart Your Second and Third Grade Math Class** Participants will be actively engaged in several fun and engaging math activities that can be used the very next day. Learn how to incorporate the Greatest No, Esti-Mysteries and several other engaging math activities that will energize your math routine. Get ready to talk the math, as workshop participants will participate in math routines that will be presented in this engaging workshop. **Allie Conlon,** Flower Hill Primary and **Christine Lofaro**, Huntington Schools, Gr 2-3.
- 14. **Becoming a Better Math Student** The New York Next Generation Learning Mathematics Standards require students to develop a deep understanding and mastery of grade level expectations. In this session, learn how instructional strategies and interventions can help students build mathematical thinking and problem solving by standard. Participants will also learn the importance of journal writing using math vocabulary. **Lynn Harris** and **Christine Rupp**, Long Island/Upstate NY Schools, Gr 2-8.
- 15. **Number Talks** How to incorporate Number Talks into the class routine. We will talk about the benefits of using number talks in class, focusing on how it builds on students' number sense and developing strategies for solving problems. We will also share ways to incorporate technology in the Number Talk routine. **Brittany Roaldsen** and **Lauren Russo**, Levittown Schools, Gr 3-5.
- 16. The What, Why, and How of Data Science Participants will learn about the benefits of and practical ways to incorporate data science into their classes. These concepts pertaining to the implementation of data science will appear through real-world applications. During this workshop, there will also be a discussion of ways to encourage students to consider data science-related careers. Victoria Vaglica, Syosset Schools and Francine Wisnewski, Molloy College, Gr 3-5.
- 17. Foundations in Fluency Defining and Propelling Number Sense in the Intermediate Grades Participants will learn why and how Oceanside is working to propel a standards-based definition of mathematical fluency as well as provide building block strategies and activities to fortify intermediate learners with experiences that build number sense and fluency. Kathleen Nicoletti and Amy Gigliobianco, Oceanside Schools Gr 3-6.

- 18. **The Whole Kit & Caboodle** Data driven instruction, Mindset, Limitless Mind, Hattie, Mazur, Sir Ken Robinson, The Learning Pyramid, Technology, The Future, Learning and Teaching Styles, Deconstructing Math Problems, The Big Book of Math. How does it all fit together? Let's discuss. **Matthew Baruch**, Miller Place Schools, Gr 3-8.
- 19. **Math Minus Textbooks** Let's put down those textbooks and create engaging, creative math lessons and activities. Get kids talking and thinking about math. Explore math through a new lens and get kids to start asking for MORE MATH! **Maria Castle**, North Merrick Schools, Gr 4-6.
- 20. **Problems with a Purpose** ... **Building Confidence and Proficiency** Get your students excited about inventive problem solving! Creative problem with multiple solution paths will instill in your students strategies for solving those types of problems and opportunities to explain their thinking on "stuff" encountered on those annual assessments. **Nicholas Restivo**, Mathematical Olympiads for Elementary and Middle Schools, Gr 4-8.
- 21. **Using Interactive Notebooks in the Math Classroom** Using interactive notebooks in the classroom is a great way to engage students in math as well as teach then how to organize and use their notes as a reference. Learn some quick and easy tips to help you get started using interactive notebooks. **Kathleen Coners,** Long Beach Schools, Gr 5-8.
- 22. **The Great Escape** Want to improve your student's math skills and motivation? Attend this workshop to learn how to create student-centered lessons using Powerpoint. Students will crack the code(s) to escape. Please bring a laptop with Powerpoint so you can start making your own. This will be a hands-on workshop. **Janine Ferranti,** Valley Stream High School District, Gr 5-8.
- 23. The Building Thinking Classrooms Framework For Middle School Math This workshop will be a handson description of the framework as outlined in the book "Building Thinking Classrooms" by Peter Liljedahl.
 Participants will experience how a typical lesson will flow and how this framework can be utilized with students in grades 6-8. Melanie Anderson, Levittown Schools, Gr 6-8.
- 24. *Kindness and Content* Fostering a learning environment where students feel comfortable to take risks while enjoying Mathematics is essential. We believe in setting a precedent in the beginning of the school year that mistakes are a necessary component of the learning process. We also set the tone that respect is number one in the classroom, This allows for students to learn valuable skills to carry as lifelong learners. Our workshop will cover various techniques we use every day in our 8th grade Math class that have proven to benefit various levels of learners. From the usage of technology to enhance lessons, to accountable talk guidance while students work in pairs or teams, all the way to strategies incorporated when delivering new and current instruction, we are happy to share these approaches and explore ways to organically bring kindness into the classroom while working with Math content. Lauren Silverstein and Linda Neglia-Moran, Syosset Schools, Gr 6-8.
- 25. **Do Nows Done Better Five Minute Period-Opening Activities For All Math Classes** Over a dozen different activities and strategies for Do Nows will be presented. Categories for these 5-minute period-opening activities will be discussed, with student sample work shown. Activities include using non-English text-books, manipulatives, find/fix, partner problems, amazing facts, lesson explores, quizzes, what's the problem? and more. **Robert Gerver**, North Shore Schools, retired, Gr 7-8.
- 26. **Math In Motion** We will get out of our seats, roll up our sleeves and get hands on with STEM activities using TI calculators and the TI-Innovator Rover. Explore geometry concepts hands-on, investigate distance = (rate)(time) and more. Get more out of the calculators than just calculations! **Dana Morse,** Texas Instruments, Gr 7-8.

- 27. **Fostering Creativity in Mathematics** Participants will engage in a series of creative activities for developing major principles of mathematics. These activities can be used in fostering students' interest and understanding of one or more of the following areas: number theory, pattern recognition, probability, modern geometries, graph theory, Pascal's triangle, summation notation, factorial triangles and many more. These activities will also be linked to the historical development of mathematics, as well as some unique discoveries made by high school students. **Dr. Sharon Whitton,** Hofstra University, Gr 7-8
- 28. **Half-life and Caffeine Exploration** Half-life is an abstract concept that most students work with by following formulaic procedures. However, caffeine, which is present in most of our lives, is a chemical compound that has a half-life as it is metabolized in the human body. Lessons using physical representation of half-life (using bins of water) will be presented to help students better understand what half-life is! **Rocio Saborido**, Oceanside Schools, Gr 8-9.
- 29. **Growth Mindset: STEAMing Up Experimental Learning** What does it take to be successful in STEAM? By embedding lessons with positive psychology concepts of growth mindset, grit, character strengths, happiness, and hope, we will empower students to be reflective and critical thinkers. **Jessica Ryan**, Lynbrook Schools and Molloy College and **Lauren Maywald**, Baldwin Schools Gr 2-4.

Please choose <u>five</u> workshops, in order of preference. Use the numbers next to the description. You will be assigned two workshops and lunch. Workshops will be assigned in the order in which we receive your registration. Every effort will be made to honor your preferences. Since most workshops are scheduled for only one time slot, you must choose 5.



Session Choices

First Choice	#	
Second Choice	#	
Third Choice	#	
Fourth Choice	#	
Fifth Choice	#	

Pay by credit card or purchase order. The cost is \$65.00, (full time students or student teachers \$45.00) which includes continental breakfast and lunch. On-line registration only.

Go to https://ncmta.memberclicks.net/

Questions? Email: makemathcount@aol.com

We look forward to your early response!

NO ON-SITE REGISTRATION!
A CONFIRMATION WILL BE SENT VIA E-MAIL
by January 8, 2022.

NCMTA and NCAMS are approved NYS CTLE providers



Register Early



By Bus or Train: Take the Long Island Railroad Babylon line from Pennsylvania Station in Manhattan, Flatbush Avenue Station in Brooklyn, or other Babylon line stations to the Rockville Centre Station. (Eastbound travelers inquire for possible change at Jamaica Station.)

