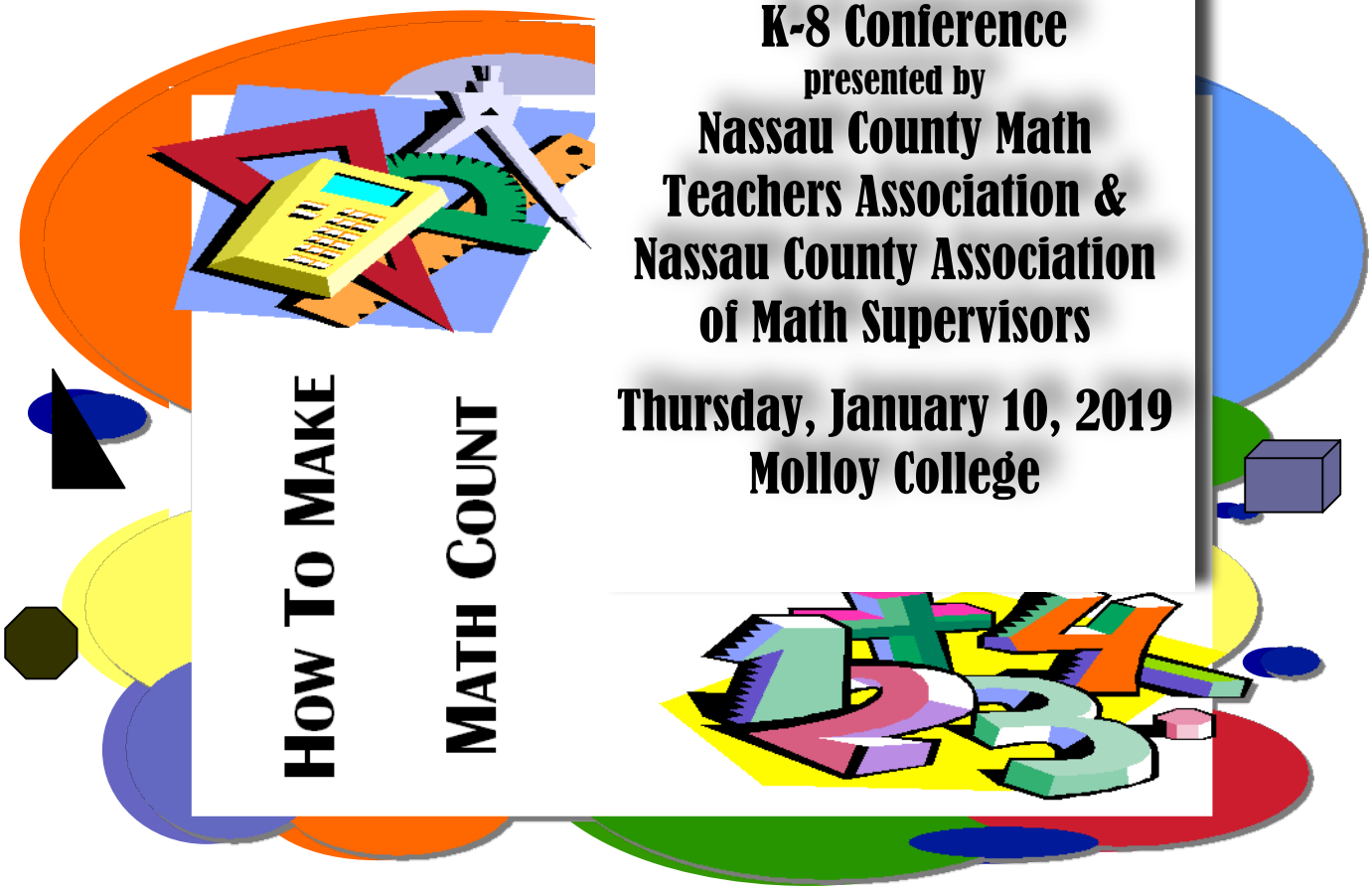


K-8 Conference

presented by

Nassau County Math Teachers Association & Nassau County Association of Math Supervisors

Thursday, January 10, 2019
Molloy College

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 10, 2019 8:00 A.M. – 2:35 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 10, 2019**. **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 **John SanGiovanni** delivering the keynote address, entitled "Jumpstart Your Math Class." John is a former member of the Board of Directors for NCTM and is currently the President of the Maryland Council of Supervisors of Mathematics. He has authored many books and leads curriculum, digital learning assessment and professional development.

We are happy to offer online registration and payment. The cost is $50, (full-time students or student teachers, $30), which includes a continental breakfast, and lunch.

To Register with online payment of credit cards or PayPal please use this link
http://ncmta.net/machform/view.php?id=19114

To Register with purchase order numbers from your district. Please use this link
http://ncmta.net/machform/view.php?id=18355

To Register with check payment please complete the registration form (at the end of this program) and enclose a check or purchase order made payable to Treasurer, NCAMS.

Do not mail in a physical form if you have opted for the online registration. Registration forms, either online or via mail must be received by **December 21, 2018**. We expect a large response. Register early so you get your first choices for sessions. You will receive an email confirmation of registration by January 4, 2019. **If you do not receive a confirmation by January 4, 2019, make sure to contact us at makemathcount@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 10**.

Participants will be scheduled for the keynote address, three out of four 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	-	9:00
Keynote Address	9:10	-	10:10
Session 1	10:25	-	11:20
Session 2 or Lunch and Commercial Exhibits	11:30	-	12:25
Session 3 or Lunch and Commercial Exhibits	12:35	-	1:30
Session 4	1:40	-	2:35

How to Make Math Count Planning Committee

COLUMN A (Sessions I & II)

1. ***First Year Teaching 101*** – This is an exciting time to be a teacher. Along with all the many rewards come numerous challenges. Practical information will be presented in this session including advice on getting a teaching job, ways to establish positive relationships with parents and administrators, the importance of participating in various professional development opportunities, importance of staying organized, time-management ideas and creating a relevant professional portfolio. **Grace Parisi**, Long Beach Schools, Pre-Service

2. ***Guided Math Groups for Primary Grades*** – Guided math groups help your students reach their potential. Learn how to implement them into your classroom tomorrow! **Cyndi Nichols**, Commack Schools, Gr K-1.

3. ***Let the Games Begin!*** – Games invite students to participate in a safe way. Give them the opportunity to become cognitively engaged in mathematical thinking. **Audrey Bellovin**, Garden City Schools, Gr K-2.

4. ***What's a Glyph?*** – Using a legend and following instructions students create a picture that identifies themselves. Glyphs reinforce number concepts, sorting, and geography. Completed projects can be used for bulletin boards. More than anything, they are fun to create. **Doris Hicks**, Malverne Schools, Retired, Gr K-2.

5. ***Kinesthetic Strategies to Improve Math Outcomes*** – This interactive presentation offers kinesthetic strategies that support the modules, build number sense and critical thinking, and increase a student's fluency and ability to focus and understand. All participants will receive the Math and Movement Training Manual e-book and six digital skip counting banners. **Suzy Koontz**, Math and Movement, Gr K-5.

6. ***Math Activities for the K-5 Classroom*** – Wouldn't you like your students to be more interested in the math you are teaching? Come to this hands-on workshop and be the student. You will work through activities that will enable your students to acquire the math they need to learn while having fun and being completely engaged. We will talk about adapting the activities to make them accessible for all students. Most of the activities can be cross-curricula. Bring your phone/scientific calculator. **Mindy LiBiassi**, Western Suffolk Boces, Gr K-5.

7. ***Increasing Student Understanding of Basic Concepts Using Manipulatives!*** – Students learn by doing and exploring. Manipulatives give them a chance to explore concepts and see them in action. Participants will problem solve solutions to real world situations and see how manipulatives help students uncover the basic skills they need as they navigate through a mathematical world! **Kevin Simms**, EAI, Gr K-5.

8. ***How To Merge Two Mindsets and Abilities to Create an Effective Co-Teaching Classroom*** – Communicate, listen and trust. Come join us in this workshop where you will learn strategies for an effective co-teach classroom. We will explain how to plan, organize, develop, and implement lessons for all grade levels. Learn how to merge your strengths and experiences to create structured lessons and units throughout any curriculum. You will walk away with tools and guidelines to follow before, during, and after the teaching process. Don't be afraid to co-teach, it's a powerful tool when used correctly! **Marissa Cusa**, Sewanaka Schools, and **Eric Schmidt**, The Academy of Innovative Technology HS, Gr K-8.

9. ***Hip Hop Math Songs to Excite and Empower Students*** – We can effectively promote student discourse deeper level understanding, and student content creation when we use music and hip hop to teach. Since hip hop is our youths culture, we can use it as a tool to build relationships and teach our next generation of learners. Attendees will leave this session with strategies and a lesson plan that guide you on how to use hip hop in the classroom. **LaMar Queen,** Music Notes, Gr K-8.

10. ***Lets Have Fun Mastering Those Standards*** – Come play some games, sing some songs and be creative. Realistic activities that will fit into your curriculum block, hit the standards, and are easy to implement the very next day. **Donna Casano**, East Williston Schools, Gr 1-2.

11. ***Hands On and Make and Take Activities Grades 1 & 2*** – Hands-on activities and make and takes for the topics of place value, addition and subtraction will be used to integrate vocabulary. **Rose Linda Ricca,** Malverne Schools, retired**, and Angela Kozlowski,** Syosset Schools retired , Gr 1-2.

12. ***Math Work Stations in Action for Grades 2-3!*** – Let's move in math! Come and participate in a variety of Math Station Rotations for grades 2 and 3! You will actively participate in several activities that you can make and take. These activities can be used the very next day in your math program . **Joanne Cicio and Christine Lofaro**, Huntington Schools, Gr 2-3.

13. ***A Morphing Approach to Differentiation*** – Adjusting for multiple levels while building fluency need not require a multitude of materials. Let's differentiate with less stuff and more ideas!! **Mary Altieri,** MOEMS, Gr 2-5.

14. ***Tape Diagram Progressions for the Elementary Classroom*** – This session will examine how the foundations for tape diagrams may be set in primary elementary classrooms and explore setting up and using tape diagrams for all operations in elementary classrooms across every level. **Charles Angeli and Danielle Yarrabino**, East Meadow Schools, Gr 2-5.

15. ***Engage Your Struggling Students Using Story Problems*** – Help your struggling students by introducing the three read protocol and help them effectively attack story problems. **Dara Koza**, **and Anglea D'annunzio**, Jose De Diego Magnet School for the Visual Arts, Gr 3-5.

16. ***Get Flexible in Math Rotations!*** – It's time to meet the needs of all learners through small-group instruction. Learn about how students take ownership of their learning and enjoy flexible seating during math workshop. **Shari Bowes** and **Jessica Ryan**, Lynbrook Schools, Gr. 3-5.

17. ***Innovative and Collaborative Problem Solving Help Your Students Really Learn Math*** – Generate excitement for, and interest in mathematical problem solving among your students. Energize and enrich your curriculum by encouraging your students to take risks and even question one another in problem solving while reminding them that a REAL problem is not the same as a practice exercise. **Nicholas Restivo**, MOEMS, Gr 3-6.

18. ***Full STEAM Ahead Stations*** – Hop aboard and join us as we explore STEAM. These station activities will emphasize math and science skills with connections to concepts across all curriculum areas. Focus will be on using The Design Process in order to engage students and provide hands on experiences. We will incorporate ways to differentiate in order to reach all students and allow them to think like real engineers. You'll leave with activities you can put into practice right away! **Mary Goldberg, Anne Hackford and Janice Hyland,** Floral Park-Bellerose schools, Gr 4-6.

19. ***Math Magic with Everyday Items*** – Learn about how to use easy-to-find items as manipulatives for use in the upper elementary/middle school math classroom. Ideas can be adapted to younger/older grades. Note: this is different from past presentations. **Diane Viola,** East Williston Schools, Gr 4-6.

20. ***Communication Activities that Increase Understanding and Achievement*** – Writing, listening, and oral communication activities that have been field tested, augmented and revised for four decades, will be presented. These include strategies for the teacher as well as the student. **Robert Gerver**, Retired, North Shore Schools, Gr 5-8.

21. ***Make Math Fun with TI-Innovator Roover*** – Use the TI-innovator Rover programmable vehicle to have fun teaching traditional math topics and increase understanding. Use Pre-programmed activities to explore properties of quadrilaterals, investigate the average rate of change of a linear function or to introduce simple coding. **JoAnn Miltenberg**, Farmingdale High School Retired, Gr 5-8.

22. ***Algebra Tiles*** – This workshop will provide an introduction to Algebra Tiles. Algebra Tiles provide a hands-on strategy to help all learners understand the abstract algebraic concepts they are learning in their classroom. Topics in this workshop will include integer operations, equation solving, and polynomial operations. In addition to physical Algebra Tiles, we will also explore digital options so students can utilize virtual algebra tiles**. Robert Teseo**, East Williston Schools, Gr 5-8.

23. ***Using Simulations to Teach Mathematics in Middle School*** – The PhET Interactive Simulations project at the University of Colorado Boulder offers FREE interactive math simulations that can be used to help engage students in learning. Bring your laptop or tablet to this interactive workshop to explore PhET simulations and create an activity to bring back to your classroom! **Stephanie Sheehan**, Port Richmond High School, Gr 5-8.

24. ***What Can My Math Students Learn From Frogs and Rulers?*** – We will share engaging problems that will motivate all of your students. These challenging but accessible problems connect to a broad set of math topics from counting to algebraic reasoning and (easily) lead to students asking their own mathematical questions**. Jim Matthews**, Siena College, Gr 6-8.

25. ***Creating Academic Self-Regulation in Students Using Learning Targets, Success Criteria, Feedback, and Reflection*** – Formative assessment is important not only in providing teachers with information about their students' learning, but also in developing student self-regulation. Come learn strategies that are used to demonstrate how learning targets, success criteria, feedback, and reflection work together to build understanding and critical thinking. **Jack Burke** South Country Schools **and David Lazar** Oyster Bay Schools, Gr 6-8.

26. ***So What is Next?*** – Let's learn about the changes to our NYS standards. We will look at the crosswalks, vocabulary of verbs, snapshots and navigate the new standards documents. Come get ready for implementation and share ideas for improving student success! **Caryl Lorandini**, Carle Place Schools, President, AMTNYS, Gr 6-8.

27. ***Problem Solving – A Lost Art*** – Discussion of examples of problems to motivate students and teachers. **Fred Paul**, SED, Retired, Gr 6-8.

28. ***Algebra 1 in Middle School?*** – Are your students taking Algebra in middle school? We will share about this increasingly popular phenomenon and explore ideas and tools to maximize learning for middle schoolers and into their high school career. Please bring a TI-83/4 if you have one. **Robin Schwartz,** Math Confidence**,** College of Mount Saint Vincent**,** Twitter @mathconfidence, Gr 7-8.

COLUMN B (Sessions III & IV)

29. ***Make Everyday Count*** – Promote skills in fun and creative ways. Learn games and centers that you can easily implement into your classroom. These centers and games will build fluency. There will be holiday related math centers and even some STEAM activities. Come and have fun with math! **Millie Joyce**, **Elizabeth McGoldrick and Kelley Dallek**, Garden City Schools, Gr K-1.

30. ***Math Work Stations in Action!*** – Come and engage in a variety of Math Station Rotations! This is truly a "make and take" workshop where you will learn a variety of games and activities that you can incorporate into your math program the very next day! **Joanne Cicio and Christine Lofaro**, Huntington Schools, Gr K-1.

31. ***Play "Math" with your K-2 Support Students***– Math games, resources, websites, and hands-on activities for math support students in grades K-2. **Christine Gooden and Donna Vigliotti**, Massapequa Schools, Gr K-2.

32. ***"Math Matters" Greatest Hits*** – A tribute to John Hinton's "Math Matters" publications. We will be playing and learning while using some favorite activities found in John Hinton's collection of teacher generated math games and puzzles. These activities offer a wonderful opportunity to introduce concepts, teach, and reinforce skills through discovery and play**. Henry Kupstas,** East Williston Schools, Gr K-5.

33. ***Formative Assessment*** – Learn about what formative assessment is, why it should be used, and when it can be used with your students, as well as how to use tech tools to engage students in the formative assessment process. Using one of the online formative assessment tech tools presented, you can develop an assessment for your students to meet a lesson objective. These assessments will help drive future learning activities. They will also be a valuable source of data that you can collect for your students. **Rickey Moroney** Molloy College, Gr K-8.

34. ***What is Subtraction*** – There are many ways to approach subtraction. We will explore different strategies through mini-lessons, games & activities that will build greater understanding for your students. **Sue Mehr**, Deer Park Schools, Gr 1-2.

35. ***Making Your Math Curriculum Count*** – In this workshop, teachers will be provided with materials and manipulatives to both enhance and support current math curriculum. **Alyssa Moirano**, East Williston Schools and **Stacey Vespe,** Wantagh Schools, Gr 1-3.

36. ***Let's Make Math Fun!*** – In this workshop, a variety of ideas will be presented on how to make math fun in the classroom. Games using cards, dice and other manipulatives will be explored as well as activities that can be done in the classroom. **Michelle Saccone** and **Anne Wachowicz,** Notre Dame School, Gr 2-4.

37. ***Pattern Blocks and the Common Core!*** – Enhance problem solving skills and deepen understanding of concepts with a variety of engaging activities. We will explore topics in algebra, geometry, fractions and more!. **Grace Quinlan**, New Hyde Park Schools, retired, Gr. 2-5.

38. ***Third Grade Math and the ENL Student*** – We will provide various strategies and techniques for teachers working with ENL students in third grade. **Christina Moser**, North Merrick Schools and **Jennifer Anderson,** Island Trees Schools, Gr 3.

39. ***Facilitating Conversations in the Discourse-Driven Math Classroom*** – Discourse-driven classrooms become a reality when all students are enabled to think critically, collaborate to solve problems, and ultimately, own their learning with a growth mindset. This session will focus on strategies for facilitating and enhancing math discussions**. Tyrone Holmes,** Curriculum Associates, 3-5.

40. ***Reinforcing Fluencies in Grades 3-5*** – We will share various activities/games/templates that can be used to reinforce and strengthen grade level fluencies in grades 3-5. Activities will be easy to implement and can be reused over and over. Skills addressed will be computation, basic facts, and place value. **Jean Scavella and Natalie Rakamaric**, Massapequa Schools, Gr 3-5.

41. ***Actively Engaging Your Math Students*** – Creative projects and tasks will challenge and actively engage your students in direct instruction, the mathematical practices and their own learning. Activities such as interactive notebooks, partner discussion, reciprocal teaching, collaborative projects, STEAM, 3 Act Math, and many more will be explored and shared. **Kim Welsch**, Levittown Schools, Gr 4-6.

42. ***Eco-Friendly STEM Activities*** – Engage your students by making math and science lessons meaningful. We will share several activities, adapted from online resources, that teach students about the environment while introducing and/or reinforcing math and science skills**. Nicole Simon and Theresa Vecchiarelli**, Nassau Community College, Gr 4-6.

43. ***Never Again "Just Invert and Multiply"*** – That phrase is often heard but is devoid of any true mathematical understanding of division. This workshop will demonstrate a logical and coherent strategy to teach division of fractions. After this session you may never have to voice that phrase again, and your students will clearly understand that the nature of division does not change when you enter the mysterious land of fractions. Materials will be provided for back in your classroom**. Peter Garrity,** Teachers College Columbia University, Gr 4-7.

44. ***Engaging Students during Class with Microsoft Surface and Wireless Projection*** – Students learn math by actively engaging in mathematics. Many teachers encourage students to write on the board, which can be time-consuming and cause disruptions. With the Microsoft Surface products, students can present their work to the class from their seats. Creation of videos, help with homework, and other personal uses will be discussed**. Joseph Bernat**, Nassau Community College, Gr 4-8.

45. ***Using Desmos to Increase Engagement*** – One-to-one device programs can be challenging in mathematics classrooms. Desmos offers free, engaging digital activities that provide opportunities for students to develop conceptual understanding and practice new skills. These activities allow for a mix of online and face-to-face experiences, making the most of a blended learning environment**. Ryan Milano,** Middle Country Schools, Gr 5-8.

46. ***How To Incorporate Students Interest in the Classroom*** – Explore how to use your students' interests in math class to keep them engaged. Spark their interest and maybe your own as I demonstrate several of my own best lessons. **Thomas Gropf**, Woodland Middle School, Gr 6.

47. ***GIRL Talk (Grow, Inspire, Reach, Lead)*** – Young girls have a strong desire to change the world for the better. Explore how to cultivate that desire and inspire girls to define our future society by pursuing leadership roles in STEM-related careers. Through project-based learning, girls understand the societal impact of careers in science, technology, engineering and math, and in creating a supportive environment girls develop confidence, discover their passion, and cultivate leadership skills. **Theresa Berke and Adele Bovard**, Syosset Schools, Gr 6-8.

48. ***The Innovative Math Classroom*** – This workshop will focus on incorporating Creativity, Collaboration, Critical Thinking, and Communication in a 21st century learning environment in order to shift student learning from consumers of information to creators of information. Participants will be able to create a student centered classroom utilizing apps and web applications that can be applied to the secondary math classroom as well as across all content areas**. Lisa Downey and Mary Owens**, Mineola Schools, Gr 6-8.

49. ***Excite and Energize Teaching Area to Your Middle School Class Using Great Problems*** – Non-routine problems offer variety and insight to your students as they investigate area concepts in middle school. Math contests provide such problems. In this session you will work through a dozen area contest gems. You will leave with these and many other problems for immediate use in your classes. **Dennis Mulhearn**, Retired, Valley Stream Schools, MOEMS, Gr 6-8.

50. ***Using Algebra Tiles in Middle School Math*** – Wouldn't you like a manipulative that will enable students to understand operations with integers? Algebra Tiles can be used to make abstract math concepts more concrete. Students will be able to represent algebraic concepts, including integer arithmetic, linear expressions and equations, and they can use the tiles to solve multi-step linear equations. Students can even play games with the tiles to reinforce the math concepts. **Mindy LiBiassi**, Western Suffolk Boces, Gr 6-8.

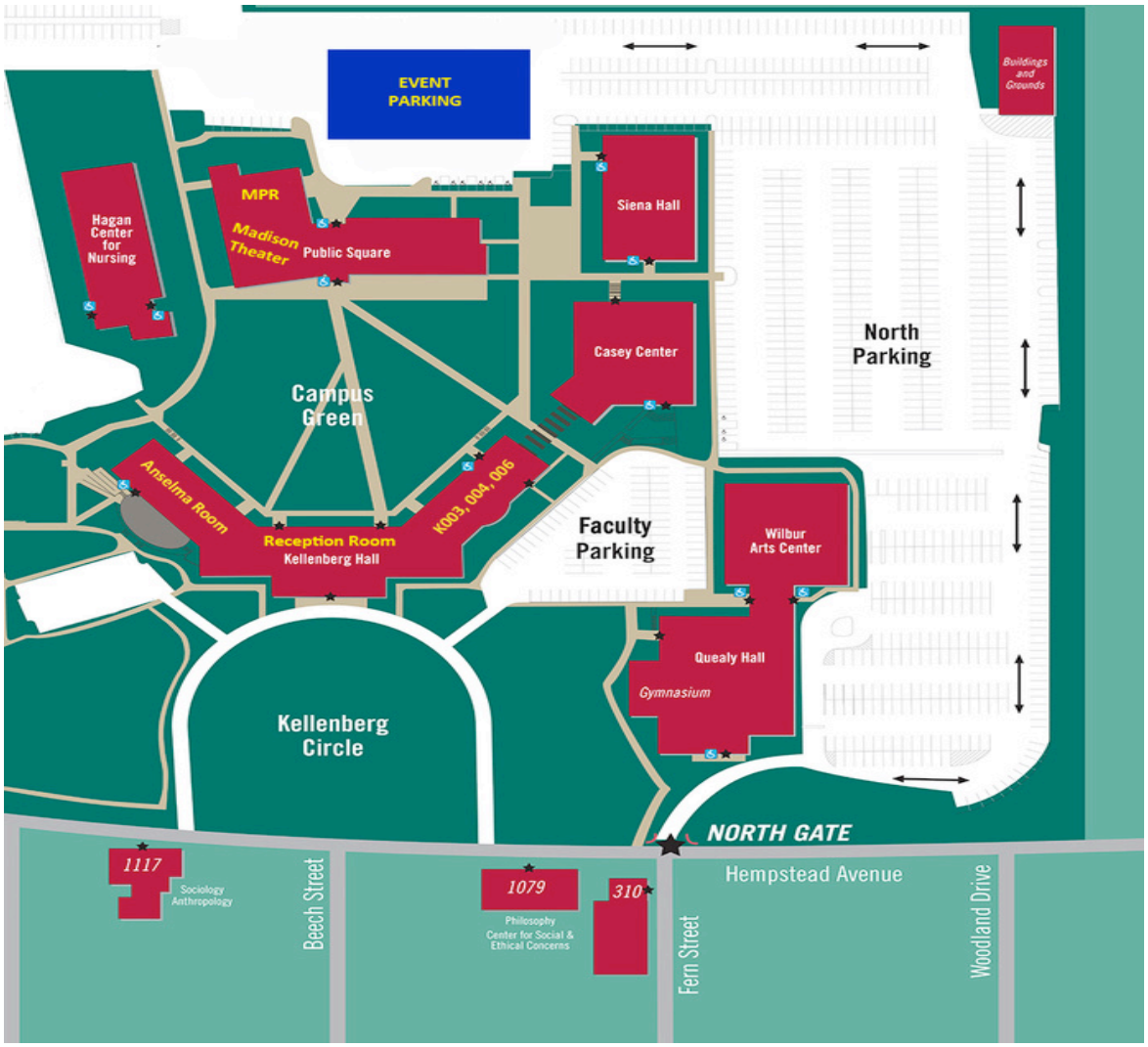
51. ***Activities Promoting Mathematical Discourse –*** This workshop will provide teachers with sample activities to promote classroom discussions in which students reveal their understanding of concepts. **Marguerite Spriggs,** East Meadow Schools, Gr 6-8.

52. ***Building Math Confidence and Regents Success*** – Unlock the full potential of the graphing calculators in your classroom. Give students the tips necessary to increase their confidence and achieve mastery on the assessments. **Dana Morse**, Texas Instruments, CC Math Regents Level.

* * * * * * * Directions * * * * * * *

By Car: Take the Southern State Parkway (reached via the Cross Island Parkway from the Whitestone and Throgs Neck Bridges, or via the Belt Parkway) to Exit 20 southbound. Go south on Grand Avenue to Georgia Street. Turn right on Georgia and continue approximately 1/2 mile. The street name changes to Beech and ends opposite the campus.

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.) Bus and taxi service is available to and from campus. The N16 line of the Metropolitan Suburban Bus Authority stops at the campus entrance.



REGISTRATION FORM

(Use this form ONLY if you do not register online)

Participant's Name _____ _____ Check # _____
Last Name First Name

School Name_____

School Address. _____

Home or Cell Phone (_____)_____ (Please complete in case of snow emergency)

Email address_____

District _____ Grade Level _____

Please choose **eight** workshops, **4 from each column**, in order of preference. Use the numbers next to the description. **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 8.**

Column A (Session I & II)		**Column B (Session III & IV)**	
First Choice	# _____	First Choice	# _____
Second Choice	# _____	Second Choice	# _____
Third Choice	# _____	Third Choice	# _____
Fourth Choice	# _____	Fourth Choice	# _____

Send this form and a check or purchase order for **$50.00,** (full time students or student teachers **$30.00**) which includes continental breakfast and lunch, made out to **Treasurer, NCAMS.** by **December 21, 2018** to:

Susan Greenberg
18 Briggs Road
Plainview, NY 11803

makemathcount@aol.com

We look forward to your early response!

NO ON-SITE REGISTRATION

A CONFIRMATION WILL BE SENT VIA E-MAIL by January 4, 2019.

