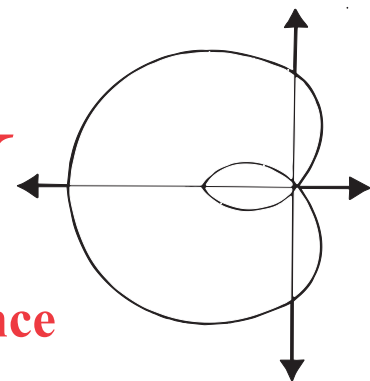


The Mathematics and Computer Information Sciences Department
State University of New York College at Old Westbury

Presents
The Twenty-Seventh Annual

LIMAÇON



Long Island Mathematics Conference

Uncommon Solutions for the Common Core

Friday, March 15, 2013, From 7:45 A.M. to 2:35 P.M.
at SUNY College at Old Westbury Campus Center

Co-sponsored by:

- The Nassau County Mathematics Teachers' Association
 - The Suffolk County Mathematics Teachers' Association
 - The Nassau County Association of Mathematics Supervisors
 - The Association of Teachers of Mathematics of New York City
- and partially funded by a grant from NYS Department of Education



Mathematics and Computer Information Sciences Department
P.O. Box 210
SUNY College at Old Westbury
Old Westbury, New York 11568-0210

LIMAÇON

Registration materials inside.

LIMAÇON, designed for mathematics educators from primary through university level, provides opportunities for professional interactions and offers a forum for the exchange of concerns, innovative ideas, and achievable goals. This year's conference theme is "Uncommon Solutions for the Common Core."

The **Keynote speaker** at this year's conference is **Dr. Frank Gardella**, Executive Director of the Hunter College Mathematics Center for Learning & Teaching. Dr. Gardella's keynote address, "*An Uncommon View of the Common Core: As a Step Along Our Way, Not a Panacea*", will be followed by a daylong series of sessions and workshops focused on mathematics education, pedagogy, and problem solving. Presenters and participants alike can expect the sessions to provide ideas, techniques, and skills that help improve teaching and content effectiveness, and recharge batteries.

FOR CALCULATOR SESSIONS, PLEASE BRING YOUR OWN.
ON-SITE REGISTRATION WILL BE ACCEPTED ON A LIMITED BASIS (\$10 ADDITIONAL FEE).
NO CONFIRMATION WILL BE SENT.
ANY QUESTIONS? CALL JUANITA MALTESE, 516-622-6517 (jmaltese@cps.k12.ny.us) OR MIMI SCHNIER, 516-876-3261

REGISTRATION FORM

LIMAÇON, Friday, March 15, 2013 at SUNY College at Old Westbury, Campus Center from 7:45 A.M. to 2:35 P.M.
Register early to ensure your choice of sessions. Come early to browse the vendor displays.

Cost of conference: Fee includes Continental Breakfast and Luncheon.
(Please check one)

- \$50.00 for ATMNYC, NCAMS, NCMTA or SCMTA members
- \$60.00 for non-members
- Full-time students pay only \$25.00

-ON-SITE REGISTRATION WILL BE ACCEPTED ON A LIMITED BASIS (\$10 ADDITIONAL FEE)

Mail form and check by March 1, 2013 to:
(checks payable to: **L.I. Mathematics Conference Board**)

Mr. Arthur L. Kalish, Director of the Institute of MERIT
SUNY College at Old Westbury
Box 210
Old Westbury, NY 11568-0210

Name _____ Position _____ Grade Level _____

Address _____ E-mail _____

School/District Represented _____ Telephone _____

Please write the session number for your first, second, and third choice for each session.

Session A:	1st Choice _____	Session B or C	1st Choice _____	Session D:	1st Choice _____
#1 - 15	2nd Choice _____	#16 - 35	2nd Choice _____	#36 - 50	2nd Choice _____
10:30 - 11:20	3rd Choice _____	11:35 - 12:25 or 12:40 - 1:30	3rd Choice _____	1:45 - 2:35	3rd Choice _____

LUNCH MENU: You must select one of the following when you register:

1. Chef Salad (no ham)
2. Vegan/gluten free platter (baby spinach with roasted vegetables)
3. Individual lunch platters with Romaine lettuce, cucumbers, tomato, carrot sticks, new potato salad, string bean salad Tuna Salad Egg Salad Chicken Salad

- NO CONFIRMATIONS WILL BE SENT
- NO REFUNDS
- BRING YOUR OWN CALCULATOR
Make copies of this form if more are needed

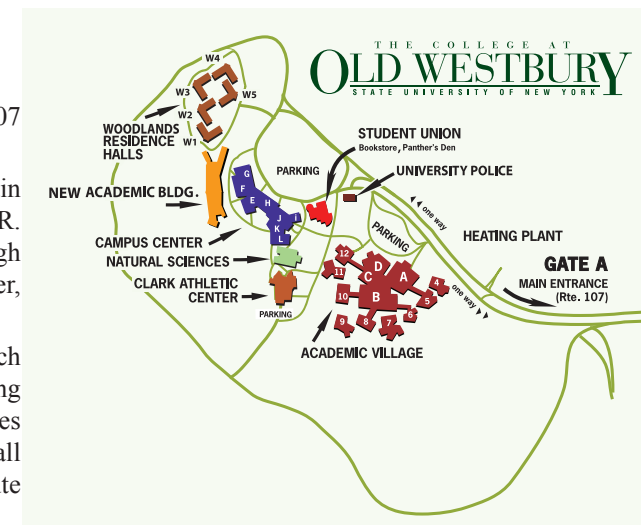
Directions to SUNY College at Old Westbury

BY CAR: SUNY College at Old Westbury is located immediately north of the Long Island Expressway (495) in the Village of Old Westbury, Long Island, approximately 30 miles east of New York City.

The main entrance to the College is located on the west side of Route 107 approximately one-half mile north of Jericho Turnpike.

BY TRAIN: The Long Island Railroad stops at the Hicksville station. Train schedule and route information are available from the LIRR, 516-822-LIRR. Bus service is available to and from the Hicksville station Monday through Friday. Bus schedule information may be obtained from the MTA Info Center, 516-222-1000.

BY BUS: The College is accessible by bus via MTA bus route N20, which travels between Main Street, Flushing and the Hicksville railroad station along Northern Boulevard and Route 107. The bus connects with other MTA buses at various connecting points along Northern Boulevard and elsewhere. Call the MTA Information Center (number above) for schedule and additional route information.



When using a GPS device please make sure that it takes you to the main entrance off route 107.

SCHEDULE FOR THE LONG ISLAND MATHEMATICS CONFERENCE

7:45 - 8:30 CHECK-IN, CONTINENTAL BREAKFAST and VENDOR BOOTHS Campus Center

8:45 - 9:15 INTRODUCTION by L.I. Conference Board

9:15 - 10:15 KEYNOTE ADDRESS by **Dr. Frank Gardella**,
Executive Director of the Hunter College Mathematics Center for Learning & Teaching

10:30 - 2:35 SESSIONS A-D see schedule

BUFFET LUNCHEON during either session B or C

VENDOR BOOTHS AVAILABLE 7:45-8:30 and 11:20-1:45

SESSION A 10:30 -- 11:20 (Select three sessions from numbers 1 - 15)

- 1. Common Core and RTI – Differentiated Activities (K-2)** **Toni Anne Summers** **Massapequa Public Schools**
A strong foundation is more essential now than ever. Explore how basic ideas build through the primary grades. Share recent research on effective strategies with struggling learners. Learn activities to use with a wide variety of learners.
- 2. Foundation Builders in Mathematics (1-3)** **Joseph A. Porzio** **Fordham University**
We will develop, strengthen and extend number sense, operations and algebraic thinking using classroom-tested instructional strategies. You will receive two helpful booklets related to number sense and to multiplication.
- 3. Progressions of the Common Core Learning Standards (3-5)** **Joyce Bernstein** **East Williston Schools**
See how the mathematical progressions that underlie the CCLS fit into the “big picture” and how grades 3-5 contribute to the overall coherence. In addition, we will discuss hints to help you move through your part of the CCLS with confidence.
- 4. Place Value: Activities to Scaffold Conceptual Understanding (3-5)** **Wendy Handshaw Power** **Eagle Elementary School**
These activities provide hands-on remediation and offer you insights into your students’ conceptual understanding. These excellent review materials can be used throughout the year to informally assess improvement and guide instruction.
- 5. Conquer the Core with iPad APPS (6-college)** **Alice Artzt, Mara Markinson, Zujenis Pico** **Queens College**
This presentation will demonstrate fascinating APPS on the iPad that use games and interactive visual representations to captivate and engage students in learning mathematics.
- 6. An Effective AIS Model for Struggling Math Learners (5-8)** **Peter Cleary** **EPS**
The Academic Intervention Service (AIS) model can raise proficiency for struggling students. See how AIS guiding principles and tools help identify struggling learners, monitor progress and take the guess work out of AIS decision making.
- 7. Develop Deep Understandings of Geom., Prob. & Trig. (5-11)** **Sharon Whitton** **Hofstra University**
Engage your students in activities that mirror the CCSS and make math meaningful and fun! These activities employ geoboards, 3-D objects, clinometers, and measuring wheels for teaching area, perimeter, probability, volume and trigonometry.
- 8. Implementing Common Core Standards through Problem Solving (6-12)** **Theresa Gurl** **Queens College**
Problems that will help middle and high school students meet the Common Core State Standards will be shared with participants, with suggestions for differentiation and specific connections to standards for mathematical content and practice.
- 9. Using the Smart Board in High School Mathematics (9-12)** **Christina Cole** **Carle Place HS**
Participants will learn how to use tools, video clips, interactive websites, and various math software in conjunction with the Smart Board and Smart Notebook.
- 10. Number Sense of Humor (9-12)** **Dan Goldbeck** **Syosset HS**
Even high school students can have fun with numbers. Try these with all levels of high school students to increase their number sense and number sense of humor.
- 11. An Excursion into Recursion with Side Trips to Applications (9-12)** **Laurie Bass** **Ethical Culture Fieldston School**
Starting with a review of recursion, we will take a tour of how to employ the TI-84 SEQ mode to model and solve problems that involve recursion in many diverse areas including medicine, finance and puzzles such as the Tower of Hanoi.
- 12. I Didn’t Know You Could Do That on a SMART Board! (9-12)** **Matthew Ringh** **Teq**
Take a look at some of the best new math software and some of the hidden tricks which can enhance your lessons. Our focus will be on a student-centered classroom and we’ll explore the best new programs and features available.
- 13. Teaching the Common Core through STEM (9-college)** **Robert Rogers** **SUNY Fredonia**
Teaching STEM topics does not need to get in the way of teaching the Common Core. This talk will provide examples of STEM topics that can teach major ideas in the Common Core, motivate students and provide interest for teachers.
- 14. Creating an Interactive Classroom for \$100 or Less (Preservice)** **Kristina A. Holzweiss** **Bay Shore Middle School**
Everyone is flipping out over Khan Academy, and now it’s time for YOU to create your own interactive math classroom. No Smart board? No problem! Learn 10 different tools to help you connect with your students without breaking the bank.
- 15. The Human Calculator (General)** **Scott Flansburg** **3P Learning**
Scott Flansburg, The Human Calculator™ holds a Guinness World Record for being the fastest human calculator for mental computation. Learn the secret to numbers and be amazed at his ability. Walk away excited about math!

SESSION B 11:35 - 12:25 (Select a total of three sessions from numbers 16 - 35)

- 16. An Effective RTI Model for Struggling Math Learners (K-4)** **Peter Cleary** **EPS**
The Response to Intervention (RTI) model promises greatly to aid struggling students. See how core RTI guiding principles and tools help identify struggling learners, monitor progress, and take the guesswork out of RTI decision making.
- 17. 10 Cool New Tools for Your Smart Board (K-8)** **Matthew Ringh** **Teq**
This session will follow a countdown format, and will provide you with 10 unique and fun tools you can use in your classroom. All resources, and examples, will be useful in supporting the achievement of the CCSS.
- 18. Fluency = Speed + Accuracy (3-5)** **Barbara Allaire** **Davison Ave. Intermediate, Malverne**
The common core learning standards in mathematics stresses fluency. Learn ways to develop fluency in motivating classroom experiences.
- 19. Making Sense of Division of Fractions (5-6, General)** **Elliott Bird** **C W Post (retired)**
Success in fractions leads to success in algebra. Linking first to division of whole numbers, we consider various divisions: fraction by whole, whole by fraction, and fraction by fraction, always in a sense-making way.
- 20. Teaching the Common Core through STEM (5-8)** **Robert Rogers** **SUNY Fredonia**
Teaching STEM topics does not need to get in the way of teaching the Common Core. This talk will provide examples of STEM topics that can teach major ideas in the Common Core, motivate students and provide interest for teachers.
- 21. Finite, Infinite, Transfinite: The Stuff of Mathematics (9-12)** **James E. Carpenter** **Iona College**
From the moment that we understand counting we are confronted with the infinite. This talk reviews Georg Cantor’s amazing ideas about infinity.
- 22. Making Indelible Images with Geometer’s Sketchpad (9-12)** **Gene Eyshinskiy** **Flushing High School**
Applications of the Geometer’s Sketchpad across the curriculum in the mathematics classroom or computer lab from fractions to calculus. No experience with Geometer’s Sketchpad required to participate.
- 23. Sampling + Simulation = Statistical Understanding (9-college)** **Florence S. Gordon** **NYIT**
Dynamic simulations in statistics can promote understanding of probabilistic processes (coin flipping and dice rolling), various sampling distributions, the Central Limit Theorem, confidence intervals, hypothesis testing and regression.
- 24. Strategies for Effective Formative Assessment (Preservice)** **Suzanne Libfeld** **Lehman College**
Teaching is more effective when formative assessment is embedded in classroom practice. It provides information to adjust teaching and guides in making decisions about instruction. Explore strategies to collect evidence of student learning.
- 25. Join the Common Core Conversation (General)** **Kristina A. Holzweiss** **Bay Shore Middle School**
The Common Core Conversation offers lesson plans, activities, ideas, assessments, and Web tools to support the new Learning Standards — all online. Join over 2000 educators nationally in the conversation.

SESSION C 12:40 - 1:30 (Select a total of three sessions from numbers 16 - 35)

- 26. Tapping into Literacy Skills for Problem Solving (K-2)** **Heidi Bromley** **NYSAMS**
Use your literacy skills and techniques to unlock math word problems. See how the strategies in the Common Core Learning Standards are developed and enhanced, and how they all help your students and you become better problem solvers!
- 27. Math Digital Learning: The Ultimate Equalizer (3-5)** **Janet Pittcock** **Think Through Math**
You will understand the uniquely positive response that students have when given a digital solution that provides both fully adaptive instruction and access to immediate corrective feedback, including online access to live certified U.S. math teachers.
- 28. Get Real (Life Math Problems) with Common Core (5-8)** **Vicky Powers and Wendie Gelardi** **Eastern Suffolk BOCES**
Come “play” with us! You can use these fun activities (including a great one for Ratio and Proportion) tomorrow with your students. Also, we’ll give you Web sites to find real life math problems. You can come to both or just one session (see session #39).
- 29. Mathematical Tourist (5-8)** **Joseph Quartararo** **The Greenvale School**
Problems and activities will be chosen from the different areas of mathematics, appropriate for grade 5 – 8 students.
- 30. Over 50 Ways to Make Your Students Smile During Class (5-8)** **Ron White** **Sachem Schools (retired)**
Smiling students are more willing to learn. I will give you over 50 simple ways for you to jazz up your classroom with quick and fun ways that make their eyes twinkle and enhance your lessons.
- 31. Leveraging Student Smartphones to Improve Communication (9-12)** **Richard Greenberg** **Carle Place UFSD**
With tight school budgets and ever-changing technology, we should employ the students’ own Smartphones to accomplish valuable tasks, including instant feedback systems, on-the-spot research, timely communication and more.
- 32. Graphing Max and Min Problems with Geogebra (11-college)** **Dae S. Hong** **Hostos Community College**
The dynamical software, Geogebra, demonstrates clearly multiple ways to represent calculus problems graphically, including the derivative of a function, tangent lines and maximum and minimum problems.
- 33. Once Upon a Time ... in ... Math (9-college)** **Albert F. Cavallaro** **Nassau Community College**
This session will be spent telling stories. One of the best ways to pique student interest is to relate a great story. The history of math is loaded with them: intrigue, genius and mental powers that defy reason. You may wish to share yours.
- 34. What They Don’t Tell You in Teacher Training! (Preservice)** **Jessica Keane, Sarah Lobotsky, Max Zamor** **NYC High Schools**
Three first year teachers analyzed their personal highs and lows to share insider knowledge about how to survive your first year of teaching Mathematics focusing on curriculum, pacing, planning, classroom management, personal organization, and how to fit into your new school and workplace.
- 35. Let Online Tech. Differentiate Instruction Quickly and Easily (General)** **Gerry Cohen** **Castle Learning Online**
Embed the Castle Learning assessment model into your lessons to improve instruction and student learning. See how to deliver content in ways that differentiate experiences for students.

SESSION D 1:45 - 2:35 (Select three sessions from numbers 36 - 50)

- 36. Effective Common Core Math Tools (K-4)** **Cheryl Henjum** **Creative Mathematics**
In this exciting hands-on workshop you will learn amazing commercial “math tools” that improve teaching. Literature links, songs and dances will be used to motivate students in every area of the math curriculum.
- 37. Utilizing Bar Modeling with Division and Fractions (3-5)** **Heidi Bromley** **NYSAMS**
Learn to use the bar-modeling techniques and strategies made “famous” by Singapore to explore the division and fraction problems appropriate to grades three through five!
- 38. Differentiated Games and Activities (5-8)** **Amy Feters** **Roslyn Schools**
Middle school math students must have proficient math skills. Learn about some differentiated games and activities that enhance math skills while meeting the “common challenge.” Participants will leave with hands-on games and activities.
- 39. Get Real (Life Math Problems) with Common Core (5-8)** **Vicky Powers and Wendie Gelardi** **Eastern Suffolk BOCES**
Come “play” with us! You can use these fun activities (including a great one for Ratio and Proportion) tomorrow with your students. Also, we’ll give you Web sites to find real life math problems. You can come to both or just one session (see session 28).
- 40. Logic, Sets, Computers, and Circuit Analysis (9-12)** **Ronald D. Cavallaro** **Nassau Community College**
Come and enjoy how the use of algebra can be used to solve the most intricate problems in circuit analysis. Electrical networks will be examined through the use of logic and the amazing properties of Boolean algebra.
- 41. Advanced Algebra & Financial Apps: A 3rd or 4th Year Course (10-12)** **Robert Gerver** **North Shore HS**
This curriculum covers selected topics from algebra 2, geometry, precalculus, statistics, probability and calculus requiring only Algebra 1. Topics include banking, credit, income taxes, investing, auto insurance, mortgages, etc.
- 42. Prepping For Calculus (9-12)** **Jayson Kiang** **Longwood High School**
An overview of what topics should be covered in honors Precalculus to give students the best chance at succeeding in Calculus will be discussed.
- 43. SAGE advice: New Tech for Math Class! (9-college)** **A. Jorge Garcia** **Baldwin High School**
Remember the sweeping revolution of the 1990s when we wanted Graphing Calculators in *every* math class? Are graphing calculators so ubiquitous now that we resist anything new? I say it’s time for PC classrooms with a CAS like SAGE!
- 44. Over 50 Ways to Make Your Students Smile During Class (9-12)** **Ron White** **Sachem Schools (retired)**
Smiling students are more willing to learn. I will give you over 50 simple ways for you to jazz up your classroom with quick and fun ways that make their eyes twinkle and enhance your lessons.
- 45. Get Smart! Take the SAT! (9-college)** **Robin Schwartz** **Math Confidence / College of Mt. St. Vincent**
When I retook the SAT after 29 years, I learned grammar and relived the student experience. The SAT/ACT can be a standard for what students should know pre-Common Core implementation.
- 46. A Spoonful of Medicine Makes the Mathematics Go Down (9-college)** **Sheldon P. Gordon** **Farmingdale State College**
Mathematical modeling of drug levels in the blood from Algebra 1 up to Calculus. We examine biological half-life, exponential decay, repeated doses of a drug, asymptotes (drug maintenance levels), and constructing general solutions.
- 47. Texas Instruments Technology in Your Classroom (9-college)** **Dana Morse** **Texas Instruments**
Unlock the power behind TI’s educational technology. See what’s new for the TI-84 Plus and the TI-Nspire technology. Learn about lessons and activities that integrate TI Technology with the Common Core Standards.
- 48. TestWizard: Online Assessment & Class Management (General)** **Ingrid Hamilton** **Eduware Inc.**
Our Test-Wizard is a customizable online program that assigns and grades homework and exams. Scores are automatically recorded; assessment and progress reports are a click away. Come and get a free subscription for the rest of the school year.
- 49. What I Need To Know: Teaching English Language Learners (General)** **Ellie Paiewonsky** **ESL Consultant**
See how learning styles, mediated by language, experience and culture, impact the learning of math processes for ELLs. Explore ways to incorporate the language of math and second language development to improve instruction for ELLs.
- 50. Mathletics: Common Core and Student Differentiation (General)** **Andre Corona** **3P Learning**
www.Mathletics.com, the world’s most used math website, provides intelligent adaptive Common Core Standards practice for students – including a fun and engaging live multi-player math fluency challenge against students worldwide.