

**AMTNYS 2008**

**58<sup>th</sup> ANNUAL CONFERENCE  
RYE BROOK, NEW YORK  
NOVEMBER 6- NOVEMBER 8, 2008**

## PRELIMINARY PROGRAM

### 58<sup>th</sup> ANNUAL AMTNYS CONFERENCE HIGHLIGHTS AT A GLANCE

#### THURSDAY

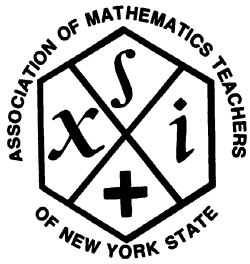
9:00-4:30	Math Mentors Meeting
11:00-4:00	Registration
11:30-12:30	Affiliate Luncheon
12:00-5:00	Commercial Exhibits
1:00-2:00	Keynote Address
2:00-2:45	Scholarship and Presidential Awards
3:00-4:00	First Timers Session
3:00-5:45	Sessions, Workshops, and Mini-Courses
3:00-6:00	Assembly Meeting
4:45-5:00	Business Meeting
5:00-7:00	NYSAMS Executive Board Meeting
8:30-10:30	Regional Dessert Reception (sponsored by Texas Instruments)

#### FRIDAY

7:00-9:00	NYSAMS Breakfast & Workshop (must have registered with NYSAMS to attend)
7:00-3:00	Registration
7:00-5:00	Commercial Exhibits
7:10-7:40	First Timers Session
7:45-5:20	Sessions, Workshops, and Mini-Courses
7:50-8:50	High School Level Meeting
8:00-9:00	Elementary Level Meeting
9:00-3:00	Make It & Take It
9:20-10:20	Middle Level Meeting
9:20-10:20	College Level Meeting
11:00-12:00	Awards Luncheon
11:30-12:30	Past Presidents' Luncheon
12:45-1:45	NYS Math Honor Society Meeting and Informational Session (Grades 9-12)
2:25-3:40	SED What's Your Question? (K-8)
4:05-5:20	SED What's Your Question? (9-12)
6:15-6:45	Reception
6:45-8:45	Banquet and Presentation of Distinguished Service Award
10:00-12:00	Incoming President's Reception

#### SATURDAY

7:00-8:00	County Chair, DR, EDR, Executive Board Breakfast
8:00-9:30	Registration
8:00-12:15	Sessions, Workshops, and Mini-Courses
8:00-3:00	AMTNYS Executive Board Meeting
12:30-1:30	Executive Board and Conference Chairs Lunch



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**ASSOCIATION OF  
MATHEMATICS TEACHERS OF  
NEW YORK STATE**

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August, 2008

Dear Colleagues,

I'd like to invite you to attend our 58<sup>th</sup> Annual Conference, "Working Together: From Start to Finish," which will be held at the Hilton Rye Town from November 6-8.

These are exciting and challenging times for mathematics educators, Pre K-college. New York State is rolling out new courses and exams at the high school level while exploring how to best meet the needs of mathematics students and teachers in upcoming years. The recently released National Math Panel Report challenges us to reexamine our curriculums and our teaching methods. With over 200 sessions and workshops, this year's program offers teachers, kindergarten through college, an abundance of opportunities to learn, reflect and network. Level meetings for elementary, middle school, high school and college provide an opportunity to share ideas and discuss concerns at your level. Associates from SED will be available on Friday afternoon to give updates and answer your questions.

Gary Furman, vice president and conference coordinator, along with his dedicated committee chairs have worked diligently to offer you an outstanding program and a host of other stimulating activities. Get involved in hands-on sessions, explore activities in "Make It and Take It", visit the vendors, meet colleagues at the regional social, do the treasure hunt, check out the free materials and student posters, and join us for the banquet.

The conference will kick off Thursday afternoon with our keynote speaker, Dr. Ron Larson, a professor of mathematics at Penn State University at Erie and a prolific author of middle school, high school and college level mathematics text books. Friday night we are delighted to welcome a long time friend of AMTNYS as our banquet speaker, Mr. Lynn Richbart. Lynn was a member of the Bureau of Mathematics Education of the New York State Education Department for 31 years, and his dedicated service to AMTNYS earned him our Distinguished Service Award in 2000. We look forward to hearing both of our honored speakers!

Please join us at the Rye Town Hilton for an exciting three days of math from start to finish!

Sincerely,  
Liz Johnson

## **Welcome to the 58<sup>th</sup> Annual AMTNYS 2008 Conference!**

Please use this preliminary conference program to preview all of the professional opportunities available to you in Rye Brook from November 6<sup>th</sup> to 8<sup>th</sup>! We hope that you will be able to attend the entire conference, which runs from Thursday afternoon through lunchtime on Saturday at the *Rye Town Hilton*. If you have any questions, contact the Conference Coordinator, Gary Furman at [gfurman@k12mcsd.net](mailto:gfurman@k12mcsd.net) or (845) 794-7700, ext 10994.

### **The Program**

This preliminary program lists all the sessions, workshops, and mini-courses available to you each day, admission to which is on a first come, first served basis. Note: there are bound to be some additions, deletions and changes to the final program. Please be sure to check the final program, available at the conference, for any program changes and updates.

**NEW!** Use the planning sheet in the final program to maximize your experience.

### **The Speakers**

Many of the presenters at the conference are classroom teachers who volunteer to share their expertise on a particular topic, while some are representatives from companies who produce math-related materials. While they are not paid by AMTNYS, they do have their conference registration fees waived. Our speakers have volunteered to present because they care about mathematics education – please take the time to thank them!

### **Computer Workshops**

Sessions requiring the use of computers will be held in Town of Rye II. Seating is limited so you may want to plan on arriving early for those sessions. There will be smartboard workshops all day on Friday in Town of Rye I and Westchester D6 courtesy of Tequipment.

### **First Timers Sessions**

Not sure where to start? It is a little overwhelming. Come to this session on Thursday afternoon or Friday morning to get the most out of the conference. This is a general session for all first-time attendees of the AMTNYS Fall Conference, or any others who need to fill in the blanks on the format, logistics, membership, or reward of attending this conference.

### **The Commercial Exhibits**

There are many companies who have helped to support our conference by exhibiting their materials. Please be sure to allow time to peruse their exhibits.

### **The Treasure Hunt**

The Treasure Hunt is a great way to get to see the exhibits and be eligible to win a prize! Entry forms will be included in your registration packet and, once completed,

can be dropped in the appropriate containers in the commercial exhibits area. Winners will be drawn at random.

### **Other Meetings**

The Executive Board and the Assembly, the two governing bodies of AMTNYS, hold meetings during the conference. The Assembly meeting includes a brief business meeting scheduled for Thursday afternoon.

In addition to AMTNYS, a number of other, related organizations hold their meetings during our conference. The *New York State Association of Math Supervisors* (NYSAMS) will have a table at which you can get more information about their group or sign up to become a member. A breakfast and workshop for NYSAMS members (registration required) will be held on Friday morning.

The K-8 *New York State Math Mentors* will be meeting on Thursday from 9:00 AM – 4:30 PM.

Representatives from the *New York State Education Department* will respond to previously submitted questions during two different sessions. Please check the conference program for the times and locations of these sessions, one of which will focus on grades K-8, the other on grades 9-12. **Forms for questions will be part of your registration packet – please submit your questions at the Hospitality table on Thursday.**

### **Level Meetings**

Each level group (elementary, middle school, high school, and college) has two representatives who facilitate discussion during the level meetings and serve on the AMTNYS Executive Board. Level meetings provide the opportunity to meet with colleagues and share comments, ideas, and concerns that are subsequently addressed at the Executive Board meeting.

### **Scholarship Fund**

Each year, AMTNYS awards scholarships to outstanding college students who plan to teach mathematics at the elementary or secondary level. In addition to being supported by one dollar of your membership dues, the scholarship funds are also supported by donations and profits from sales at the Scholarship Sales and NCTM booths, where you can purchase AMTNYS membership pins, books, clothing, school supplies, and classroom materials. Please stop by to help support this worthy cause or make a donation, which can also be included with your conference registration form.

### **Conference Registration**

A conference registration form is found in this booklet and can also be found at the conference link through [www.amtnys.org](http://www.amtnys.org). Early Registration ends October 23, 2008. By registering for the AMTNYS annual conference, participants grant AMTNYS the

right to use, in promotional materials, their likeness or voice as recorded on or transferred to videotape, film, slides, discs, audiotapes, or other media.

### **The Regional Reception**

Each AMTNYS member is assigned to one of four geographic regions designated by A, B, C, or D. Each region has an Executive District Representative (EDR) who serves on the Executive Board, and District Representatives (DR). Additionally, a County Chair (CC) represents each county in the region. Texas Instruments will sponsor a dessert reception at which you can meet your district representatives and other teachers from your area. This will be held on Thursday evening, so be sure to join us for fun, games, and prizes!

### **Make It & Take It**

Teacher-tested, hands-on activities will be available in the *Make It & Take It* area on Friday from 9:00-3:00 PM. Here you will find ideas that you will be able to bring back to your classroom for use on Monday! Please see the schedule of activities in the final program.

### **The Hospitality Table**

Have a question? Need directions or information on the local sights and activities? Want dining recommendations? Stop by the hospitality table where volunteers can also assist you with messages and lost and found items. Here you can find information on conference events and other places to visit in the area. On Thursday, don't forget to drop off your "What's Your Question" form here for the SED sessions to be held on Friday!

### **Hotel Information**

If you plan to stay at the *Rye Town Hilton*, be sure to make reservations by calling (800) 474-4249 and **stating that you are with AMTNYS**. The cut-off date for reservations is Friday, October 17, 2008. A link to the hotel's website can also be found online through [www.amtnys.org](http://www.amtnys.org). The special room rates are as follows: single-\$159 per night, double-\$159 per night, triple-\$179 per night, and quad-\$199 per night.

### **Banquet**

On Friday evening please plan to come and hear our Banquet speaker, Lynn Richbart, who brings a wealth of information from his various roles with the Bureau of Mathematics Education of the New York State Education Department, on Friday evening. Be sure to indicate your meal selection when signing up to attend the banquet via the conference registration form. The registration form can be found in this preliminary program or on-line through [www.amtnys.org](http://www.amtnys.org).

### **Annual Poster Contest**

A committee judges the posters submitted for the annual poster contest. All posters from each level will be displayed Thursday and Friday in the hallway of the Westchester ballroom of the Rye Town Hilton. The winners will also be announced

at the banquet on Friday night. Come and look at the fine work students have created! The posters will be displayed again January 12th - 16th at the concourse level of the Legislative Office Building in Albany.

### **Annual Web Design Contest**

The 1st, 2nd, and 3rd place winners of the web design will be announced at the banquet. Keep your eye on the AMTNYS website to view their incredible designs!

***AMTNYS would like to thank the following companies for supporting our conference:***

#### ***About Learning***

***Amsco***

***Barrons Educational Series***

***Bedford, Freeman and Worth***

***Bent Castle Workshops***

***Borenson and Associates***

***Box Cars and One-Eyed Jacks***

***Castle Software Inc.***

***Coach Publishing***

***Continental Press***

***CORD Communications***

***CPM Educational Program***

***Curriculum Associates***

***Eduware Inc.***

***Examgen Inc.***

***Glencoe McGraw-Hill***

***Great Source***

***Holt-McDougal***

***Houghton Mifflin***

#### ***Kendall-Hunt Publishing Company***

***Key Curriculum Press***

***Michael Cherry***

***Mrs. Glosser's Math Goodies Inc.***

***N&N Publishing Co Inc***

***Neufeld Learning Systems Inc.***

***Options Publishing***

***Pearson Prentice Hall***

***Pearson Scott Foresman***

***Peoples Education***

***Precision Mathematics Corp.***

***Rally! Education***

***Rigby & Steck-Vaughn***

***Sadlier-Oxford***

***Tequipment Inc.***

***Texas Instruments***

***Tom Snyder Productions***

***Topical Review***

***West Sea***

### **Key for Presentation Level Codes**

<b><u>Key for Presentation Level Codes</u></b>			
K-2	Grades K-2	G	General
3-5	Grades 3-5	PS	Post-Secondary
MS	Middle School	R	Research
HS	High School	S	Supervision

**KEYNOTE ADDRESS 1:00-2:00**

**Ron Larson, Ph.D**

**Ron Larson, Ph.D**

What do [Marilyn Monroe](#), [calculus](#), and [the Internet](#) have in common? Dr. Larson is a fan of the American dream and has lived by Marilyn's statement: "When you have a single dream it is more than likely to come true---because you keep working toward it without getting mixed up."

Dr. Larson is a professor of mathematics at Penn State University at Erie, where he has taught since receiving his Ph.D in mathematics from the University of Colorado. He is well known as the author of a comprehensive program for mathematics that spans middle school, high school, and college courses. Dr. Larson's numerous professional activities keep him in constant touch with the needs of teachers and supervisors. He closely follows developments in mathematics standards and assessments and has succeeded in following his dream.



**SCHOLARSHIP and PRESIDENTIAL AWARDS 2:00-2:45**

**FIRST TIMERS SESSION 3:00-4:00**  
**Where Do I Begin? Which Way Do I Turn?**  
**This general session will help you get the most out of this conference.**  
**Beryl Szwed AMTNYS/NYSAMS**

**SESSIONS 3:00-4:00**

**K-2, 3-5**

**Throw them a Ball That They can Hit!!  
 Intervention Solutions to Engage Learners  
 in Diverse Classrooms**

This session helps all learners in Counting, Time, Operations, Problem Solving, Fractions, and Algebraic Thinking with a variety of approaches. Participants receive a CD (Spanish/English)  
**Rudy Neufeld Senior Author, Neufeld Learning Systems, Inc.**

**3-5, MS, HS, S**

**Interactive Session with Examgen**

We will be showing an effective way of making tests, editing and making questions. Samples from our new NYS Geometry and Elementary Math will be available.

**Luke Masouras Examgen, Inc**  
**Howie Astrachan**

**MS, HS**

**(Content Knowledge  $\cup$  Process Skills)  $\cap$   
 Experience = Problem Solving**

We will solve non-routine problems and discuss how, when and where we can use them in the curriculum.

**Carlo Curiale The New York City Mathematics Project & A.U.S.S.I.E.**

**MS, HS, G**

**School Mathematics: Should It Matter to  
 Students' Lives?**

We try to make mathematics relevant to students' lives. Can we do this in an authentic way that respects the mathematics? Examples and discussion.

**Peter Brouwer SUNY Potsdam**

**MS**

**Using Tiles and Games to Teach Algebra**

Participants will be engaged in using integer tiles. Operations will be explored and games will be played to introduce or practice some of the basic skills.

**Virginia Head College Preparatory Mathematics**

**HS Taxicab Geometry**

Come explore connections between Euclidean and non-Euclidean geometries that reinforce high school concepts.

**David Dickerson**                      **SUNY Cortland**  
**Mary Gfeller**

**HS Challenging Problems for 9-12**

Future teachers present some of their favorite problems, based in 9-12 curriculums, which will push the solver to a higher level of thinking.

**Blair Madore**                      **SUNY Potsdam**

**HS Sequences, Series, Summation in Algebra 2/Trigonometry**

In the new Algebra 2/Trigonometry course you will teach sequences, series, and summation notation. Let's explore some approaches to teaching this topic including calculator activities.

**Bruce Waldner**                      **Syosset Central School District**

**G Mathematical Milestones from India**

A survey of the major mathematical contributions from India highlighted in their historical contexts. The focus is on information and clarifications of historical claims.

**Rosy Pynadath**                      **Amsterdam High School**

**WORKSHOPS 3:00-4:15**

**K-2, 3-5 Nimbleness with the Number Line**

Participants will explore number, numeration, and operations on the number line. Problem creation and representation will be emphasized along with the creation of measuring tools.

**Helene J. Silverman**                      **Lehman College, CUNY**

**3-5 Elementary School Hands On Activities**

Explore differentiated instructional strategies for lesson planning and make sense of "trouble spots" in elementary school mathematics. Walk away with activities you can immediately use!

**Candi DiBiase**                      **Erie 2-Chautauqua-Cattaraugus BOCES**

**3-5, MS Numbers League: Adventures in Addiplication**

Build your skills. Save the day. Be a Math Hero! Learn to play the Numbers League in a classroom environment with the game's creator.

**Chris Pallace**                      **Bent Castle Workshops**

**MS, HS**

**Using the TI-Nspire to Teach with Multiple Representations**

This workshop will give participants ideas for using the TI-Nspire to demonstrate multiple representations as well as explore mathematics concepts thoroughly on their own.

**Robin Kalder**

**Central Connecticut State University**

**Edward DePeau**

**MS**

**Let's Make Algebra Fun!**

Middle school students need more time to absorb these abstract concepts. Let's use some games and activities to reinforce concepts while having students enjoy math.

**Gail Sobolewski**

**Questar III**

**HS**

**Geometry Made Easy with Cabri Jr. 2.0**

Use Cabri Jr. to explore basic geometry, angles, triangles, parallel lines, transformations, coordinate geometry, constructions, and more. Preload lessons to reveal in class.

**JoAnn Miltenberg**

**Farmingdale School District**

**COMPUTER MINI-COURSE 3:00-5:00**

**3-5, MS, HS, PS**

**Making Indelible Images with the Geometer's Sketchpad**

A hands-on computer lab showing applications of the Geometer's Sketchpad across the math curriculum from fractions to calculus. No experience in Geometer's Sketchpad needed.

**Paul Cinco**

**New York University**

**Gennadiy Eyshinsky**

**Flushing High School**

**MINI-COURSES 3:00-5:00**

**3-5**

**Making Sense of Basic Operations for Greater Conceptual Understanding**

Teachers will uncover the underlying conceptual basis of elementary school algorithms and the strategies to support all students as they attain greater efficiency and understanding.

**Peggy Gelman**

**Rye City School District**

**Steven Bluestone**

**MS, HS, G, R**

**Using Student Profiles to Create Lessons for At-Risk Students**

Learn how research-based, student mathematics learning profile data can be used to design differentiated lessons that engage at risk students.

**Linda Kasal Fusco**

**Secondary Math Supervisor (ret), Harrison CSD**

**HS, PS, S****Mathematics with Creative Designs on a TI-8X family, TI-89, and Voyage 200 Graphing Calculators**

Create designs such as a bridge or fish by shading the area between curves using linear, quadratic, trigonometric functions, and conic relations or their combinations.

**Iftikhar Husain****University High School, Newark Public Schools****SESSIONS 4:30-5:30****K-2, 3-5****The Numeracy Club Project**

An after-school mathematics enrichment program designed to bring teacher candidates and children together to play games, read mathematics trade books, and engage in problem-solving activities

**Karen N. Bell****SUNY New Paltz****3-5****My Students Don't Know Their Math Facts**

Do students in your district struggle with math fact fluency? Attend this session to learn about software that addresses the needs of math delayed students.

**Nancy Schick****Tom Snyder Productions****MS****"Meet the Merbs" and Journey Through Middle School Mathematics**

Participants will be introduced to multiple activities on topics ranging from algebra to probability. All participants will receive a FREE CD of Adobe Acrobat files.

**Joseph Balcuk****Precision Mathematics Corporation****MS, HS****Simple Answers to Classic School Math Mysteries**

Never say 'Just because...!' Join us for some wonderful responses to questions and mysteries that all math teachers must face. Guaranteed to enhance your instruction!

**Teodora Cox****SUNY Fredonia****Keary Howard****MS, HS****Now I Get It!! Intervention to Enrichment Strategies for Diverse MS/HS Classrooms**

Join us in a session to help all learners in fractions, measurement (area), and algebraic thinking in a variety of approaches. Participants receive a CD.

**Rudy Neufeld****Senior Author, Neufeld Learning Systems, Inc.****MS, HS****Math for All Seasons**

A variety of activities that can be used at various times throughout the school year. Adapt activities to a variety of topics and levels. Motivating and engaging!

**Donna Zippin****New Hartford High School****Lori LaRocco****Webster Schroeder High School**

**HS "Highlighting" Success in Proofs**

Aimed toward increasing student confidence and competence with Euclidean triangle proofs. Group and individual strategies will be modeled.

**Jennifer Griffin Pine Plains Central School District**

**HS TI-Nspire Forensics**

TI-Nspire will be used with respect to Forensic Science experiments. Even if you do not teach Forensics, applications may be used with various topics.

**Kim Waterbury Pittsford Mendon High School**

**WORKSHOPS 4:30-5:45**

**K-2, 3-5, MS, HS, G Building A Bridge to Better Math (with a little help from Pythagoras)**

Educators from the Salvadori Center, using their project based pedagogy, will show how building a truss bridge with simple index cards can energize math instruction.

**Pat Shuford Salvadori Center**  
**Hiro Komatsubara**

**3-5, MS Math for Math Lovers**

FREE CD's: Fifty classic enrichment activities like the Tower of Hanoi, and Pascal's Triangle. Also FREE, software for solving fifty AlphaMatic puzzles like ODD+ODD=EVEN.

**Alan Alterman Scarsdale Public Schools (retired)**

**3-5, MS Radical Math Games for Middle Years**

Come prepared to play card and dice games that cover: algebra, integers, place value, decimal operations, order of operations, probability and more.

**Cheri Eck Box Cars & One Eyed Jacks**

**MS, HS Using Probes to Make Connections**

Explore distance vs. time and velocity vs. time graphs through swinging pendulums, walking, matching graphs, bouncing balls...collect the data with motion detectors.

**Donna Kennedy SUNY Potsdam**  
**SUNY Potsdam Student Teachers**

**MS, HS Fractal Cards Make It Fun and Then Take It Up a Notch**

Fractal cards will be created and used for volume comparisons and the Tower of Hanoi solution pattern. A handout will be provided for a Japanese style lesson.

**Frances Kugler Schoharie Central Schools**

**HS**

**Do We Still Need Compasses?**

Why not weave construction through Integrated Geometry? Develop topics, review theorems, and motivate. Come ready to strike a few arcs...

**Jonathan Halabi**  
**Roman Litvak**

**High School of American Studies at Lehman College, the Bronx**  
**Ridgewood New Jersey Public Schools**

**HS**

**Using Cabri Jr. to Investigate the  
Transformational and Coordinate  
Geometry in the New Geometry Course**

We will use Cabri Jr. along with SmartView to investigate some of the transformational and coordinate geometry in the new Geometry course.

**Helen Rodney**

**AMTNYS, UFT Math Teachers Committee**

**REGIONAL DESSERT RECEPTION 8:30-10:30**

**Sponsored by Texas Instruments**

**FIRST TIMERS SESSION 7:10-7:40**  
**Where Do I Begin? Which Way Do I Turn?**  
This general session will help you get the most out of this conference.  
Barbara Stewart SUNY Geneseo

**HIGH SCHOOL LEVEL MEETING 7:50-8:50**

**ELEMENTARY LEVEL MEETING 8:00-9:00**

**SESSIONS 7:50-8:50**

**3-5, MS**

**Razzle Dazzle Math Strategies: Motivating the Math Student**

This interactive workshop will help teachers provide strategies to help meet the mathematical challenges students encounter. Topics will include differentiated instruction and best practices in math.

**Mary McDonald**

**Buckle Down/Options Publishing**

**MS**

**Multiple Ways to Multiply**

Strengthen your students' ability to complete two and three digit computation mentally with greater speed, accuracy, and confidence.

**Eric O'Brien**

**Bellmore Schools**

**MS, HS, PS**

**Test Taking Tips on the TI - Tried and True!**

Learn some calculator test strategies to share with your students to use on tests. You've taught the lessons; now teach some great checks and tricks. Intermediate/Advanced Level.

**Bonnie Fenner**

**New Hartford Senior High**

**SESSIONS 8:00-9:00**

**3-5, MS**

**Math Problem Solving and Reading Comprehension: Strategies for Success**

Learn strategies to improve reading comprehension through math problem solving. Learn how to implement these skills in the classroom. Activities and ideas for classroom use.

**Howard Berrent, Ph.D.**

**Main Street Associates**

**3-5, MS, HS****Improving Algebra Preparation: What Research Says About Student Misconceptions and Difficulties**

Researchers have identified recurring errors and misunderstandings among students preparing for and learning algebra. An overview of research findings and recommendations will be discussed.

**Dr. Rachael Welder****Hunter College****MS****Student Centered Math Activities to Meet the Standards**

This workshop will provide a set of teacher produced activities that have been used successfully. All are fun and are linked to the NYS Standards

**Robin Cohen****AMTNYS****MS, HS****Lessons With Potential from Teachers With Potential**

From fractions to calculus (and plenty in between) plan to take home great lessons, projects, and activities from AMTNYS members presenting for the first time.

**Keary Howard****SUNY Fredonia****Teodora Cox****COMPUTER/ SMARTBOARD WORKSHOPS 7:45-9:00****MS****Integrating Technology in the Mathematics Classroom**

This workshop will provide participants with a variety of ideas to incorporate technology. Includes Smartboard, PC tablet, CPS system, graphing calculators, CBR ranger and Internet resources.

**Cathy Jeremko****Vestal Middle School****Colleen Schultz****MS, HS, PS, S,  
G****Visual Mathematics With Geometer's Sketchpad**

Appreciate the power of Geometer's Sketchpad. The technology is integrated into mathematics as a visual learning tool for Algebra 1, Geometry, Algebra 2, Precalculus, and Trigonometry. Free CD.

**Iftikhar Husain****University High School, Newark Public Schools****G****SMART Boards in the Math Classroom**

Discover how SMART technologies can be used to create dynamic and engaging math lessons. This interactive session will explore SMART notebook, Geometer's Sketchpad, and TI-Smartview.

**Matthew Ringh****Tequipment**

<b>WORKSHOPS 7:45-9:00</b>
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**3-5, MS****Rocket Math**

Learn to build and launch plastic soda bottle rockets with your students. Use similar triangles to determine how high the rockets go. 5...4...3...2...1...BLAST OFF!

**Alan Alterman****Scarsdale Public Schools (retired)****3-5, MS****Numbers League: Adventures in Addiplication**

Build your skills. Save the day. Be a Math Hero! Learn to play the Numbers League in a classroom environment with the game's creator.

**Chris Pallace****Bent Castle Workshops****3-5, MS****Developing Number Sense in Upper Elementary and Middle School Students: A Collection of Activities!**

This workshop consists of classroom tested activities that support students' development of number sense. Activities focus on developing number sense of fractions, decimals, and percents.

**Fanny Sosenke****Brooklyn Friends School****Jocelyn Hall****Millennium Arts Academy****3-5, MS, HS****Using Graphic Organizers to Enhance Students' Organizational Skills**

Using cutting-edge paper folding techniques, generate a smorgasbord of activities to enhance students' organizational and note taking skills. Create self-check booklets.

**Terri Steigelman-Johnson****Glencoe/McGraw-Hill****MS, HS****Magic Folding Cube**

Magic Folding Cubes will be made and then used to show applications in volume, surface area, percents, patterns, and other real world applications in math.

**Daniel Cornwell****The College of St. Rose****Ashley Finke**

<b>MINI-COURSES 8:15-10:15</b>
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**MS****Formative Assessment for Math in the Middle Grades**

A brief in-depth look at the benefits that Formative Assessment can give to teachers and students in the middle-level math classroom.

**Rhonda Curtis****Fulton Junior High School**

**MS****Middle School Activities that Promote  
Mathematical Literacy**

Students need to speak, read, and write mathematical terms to attain conceptual understanding. These activities provide those opportunities.

**Irene Jovell****Questar III BOCES****HS****Initial Lessons for Topics in High School  
Mathematics**

Actively work with materials to introduce concepts and skills for topics such as conic sections, standard deviation, trigonometry, radians, and other post-Algebra I topics.

**Frank Gardella****Hunter College**

**MIDDLE LEVEL MEETING 9:20-10:20**

**COLLEGE LEVEL MEETING 9:20-10:20**

**SESSIONS 9:20-10:20**

**K-2, 3-5****Application Computation**

What are some of the ways that computation skills can be addressed on a daily basis in the classroom? Calendar usage will be explored.

**Leota Crary****Madison Central School****K-2, 3-5, MS****Differentiating Instruction through the Use  
of Writable Cubes**

Differentiation can be unobtrusively accomplished through the use of writable cubes as seen in the ACSD video on differentiation. Come and try your hand at this technique.

**Beth Walker****Marion CSD****Rick Walker****HS****The New Adventures of the Old Geometry**

Classroom-ready materials and activities to energize the new NYS Geometry curriculum, including graphing calculator materials and teaching strategies. Hardcopies available.

**Donna Roberts****Cayuga Community College****Frederick Roberts****HS****Don't Be a Bump on a LOG**

Study families of functions with parameters using your TRANSFRM App and TI Interactive to enhance student understanding of functional behavior. Beginner/Intermediate Level.

**Christopher Monahan****Niskayuna High School**

<b>SESSIONS 9:30-10:30</b>
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**K-2****Manipulatives: A Concrete Way to Teach!**

Learn how to use various manipulatives with different activities for whole and small groups as well as centers.

**Sally Oliver****Lura Sharp Elementary****HS****Assessing the First Integrated Algebra Regents**

Open discussion about the first Integrated Algebra Regents exam and any concerns, what worked, what didn't, what can be done to improve the next round.

**Grace Wilkie****AMTNYS Past President****HS, PS****Geometry Problems with Unique Solutions**

Bring your calculator and explore several problems in high school geometry that have unique outcomes. Material is great for student projects.

**Paul Schwiegerling****SUNY Buffalo****HS, PS****Pi Plate Trig**

Using this hands-on method, students will know and understand the difference between radians, degrees, and common trig ratios. A fabulous way to introduce students to trig.

**Donna Kennedy****SUNY Potsdam**

<b>COMPUTER/ SMARTBOARD WORKSHOPS 9:25-10:40</b>
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**G****Wikis, Podcasts and Blogs, Oh My! More tools than you can shake a stick at (if that's your idea of a good time)**

This will be a computer-enriched discussion of various technologies in the classroom environment, how technology changes instruction and learning, and what the near future may have for us.

**Bob Hazen****Retired****MS, HS, PS****Using Geometer's Sketchpad as a Presentation Tool**

I will demonstrate Geometer's Sketchpad's effectiveness as a presentation tool, with suggestions for use with both a projector and with an interactive whiteboard (Smartboard)

**Craig Smith****Brighton Central Schools****HS****Growth, Decay, and Dead Bodies**

Participants will explore various growth (decay) models that use exponential, logarithmic, and logistic functions. Coding and determining the time of death are amongst the examples to be presented.

**Maria Michelsson****Mamaroneck High School**

<b>WORKSHOPS 9:25-10:40</b>
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**K-2, 3-5****Vedic Math**

Faster and effective method for arithmetic, algebra, etc. It was developed in the early part of the 20<sup>th</sup> century by making use of some ancient techniques. There are 16 Sutras and some extra.

**Rosy Pynadath****Amsterdam High School****1-2, 3-5****The Hundreds Chart : Not Just Even and Odd**

We all have hundreds charts. Let's dust them off and learn some standards-based lessons in number sense. Let's play!

**Dr. Gerardine Johnson  
Patricia Cannon****Farmingdale UFSD, Molloy College****3-5, MS****Developing the Mathematical Reasoning Abilities of Students With Card Tricks and Some Magic**

In this session, participants will discover the mathematics of several card tricks, practice the tricks, and discuss how this material can be used in their classrooms.

**Jim Matthews****Siena College****4-6****Pattern Blocks: Not Just for Kindergarteners Anymore**

We will use pattern blocks to solve fraction problems, measure angles without a protractor, write an equation and graph a line! Come play a little, color a little and enjoy some math!

**Grace Quinlan****New Hyde Park Elementary, Garden City Park Schools****MS, HS****Using Algebra Tiles from Polynomials to Factoring**

Learn how to make factoring concrete and visual. Teachers will have a chance to explore algebra tiles and use them to show algebraic multiplication and factoring.

**Virginia Head  
Lonnie Bellman****College Preparatory Mathematics****MS, HS****'Folding' Your Way to Mathematical Learning and Communications**

This workshop offers participants hands-on experience using "foldables" to develop activities to promote mathematical learning and communications for their classrooms.

**Elaine Hofstetter****SUNY New Paltz**

**HS****A Perfect Match: TI-Nspire and Statistics**

Interesting data sets and statistics problems will be explored using TI-Nspire technology to demonstrate statistical concepts. Experience TI technology in a new statistical way. Beginner/Intermediate Level.

**Sharon Cichocki****Hamburg High School****SESSIONS 10:55-11:55****3-5****Strategies that Speak to Mathematics**

Participants explore students' capacities for problem solving and communication through the use of strategic graphic organizers. Templates will be provided.

**Lisa Sambora-Chase****New York State Math Mentor, North Rockland Central School****Natalie Armstrong****MS, HS****Integrated Algebra Using MathForward™**

TI MathForward™ utilizes a combination of professional development, curriculum enhancement and technology to engage students while allowing teachers to assess understanding and promote learning.

**Steven Bailey****Texas Instruments****Dana Morse****HS****Starting a Mu Alpha Theta Chapter at Your School**

Mu Alpha Theta is a National Mathematics Honor Society. Information on how to sponsor a local chapter at your high school will be distributed and discussed.

**Dr. Mary Ann Gavioli****Mu Alpha Theta****SESSIONS 11:05-12:05****HS****Move and Prove**

Use TI-Nspire to analyze a problem using dynamic geometry and then write a proof in the same document. Beginner/Intermediate Level.

**Christopher Monahan****Niskayuna High School****HS****Great Applied Trig Problems**

Buried Treasure and more - come play with two unique problems that your students will love. Make the Law of Cosines, Sines, and Area fun! \*Bring your graphing calculator!

**Theresa Rice****AMTNYS**

**HS                      On the Shoulders of Technology**

The visual capabilities of computers, digital images, and software make your classroom come alive for twenty-first century students. This margin is too narrow to list the details.

**Frank Sobierajski                      North Rose Wolcott CSD**

**HS                      Problem Solving Activities for Pre-Calculus**

Participants will see demonstrations of activities for Pre-Calculus and walk away with a CD of activities.

**Lynda Vincent                      North Salem CSD**  
**Mary Lou Giannetto**

**COMPUTER/SMARTBOARD WORKSHOPS 11:05-12:20****5, MS                      Making Your Middle School Students SMART**

Using a SMART board in your classroom can enhance students learning in a fun, creative, hands on way. Come and learn the basics of interactive lessons.

**Caryl Lorandini                      Carle Place Middle School**

**G                      SMART Boards in the Math Classroom**

Discover how SMART technologies can be used to create dynamic and engaging math lessons. This interactive session will explore SMART notebook, Geometer's Sketchpad, and TI-Smartview.

**Matthew Ringh                      Tequipment**

**HS                      Introduction to TI Smartview 2.0**

Use TI-Smartview software to script lessons and create worksheets. Simultaneously display the actual calculator, a key press history, and three screens of your choice.

**JoAnn Miltenberg                      Farmingdale School District**

**WORKSHOPS 11:05-12:20****K-2                      Math Centers for Young Mathematicians**

Centers that support the NYS Performance Indicators for grades K-2 will be shared. Participants will be given a packet of center activities.

**Nancy Diorio                      Math Helping Teacher, Liverpool Central School District (retired)**  
**Kathy Krell                      Math Helping Teacher, Liverpool Central School District**

**3-5                      Hands On Geometry Ideas**

Geometry is often a neglected strand in math. Discover fun strategies that help students learn and provide valuable assessment information.

**Diane Dwyer                      Syracuse City School District**

**3-5****Algebraic Thinking: Generalizations, Patterns, and Functions**

The hands-on workshop will focus on processes involved in developing algebraic thinking across grades 3-5. Special attention will be given to create a differentiated mathematics classroom.

**Robert Gyles****Hunter College/CUNY****3-5, MS, HS,  
PS, G, S, R****Brilliant Pre-Service Teachers with Bright Ideas**

SUNY Potsdam is returning with very insightful pre-service teachers. Come see the creative ideas. More information about the topics will be visible at the registration table.

**Becky Duprey****SUNY Potsdam****Potsdam Student Teachers****5, MS, 9****Teaching Mathematics to English Language Learners**

Hands-on strategies for teaching mathematics to ELL placed at middle or high school levels but whose actual academic knowledge is at the elementary school level.

**Susana Davidenko****SUNY Cortland****MS****Middle School Hands On Activities**

Explore differentiated instructional strategies for lesson planning and make sense of "trouble spots" in middle school mathematics. Walk away with activities you can immediately use!

**Candi DiBiase****MS****The Order of Operations Cake**

Participants will make an order of operations cake, and learn how to use this graphic organizer in grades 6-8.

**Sherry Johnson****Little Falls Middle School****MS, HS, G****Cooperative Learning Activities & Secondary Mathematics Classrooms: From Broken Circles and Lots of Dots, to Lots of Graphs!**

Cooperative learning is supported by mathematical organizations, research, and reform. Communication promotes active student learning as experienced through activities such as Lots of Graphs.

**Leanne Schultz****Marist College****John McAdam, Ph.D****HS****Using Multiple Representations to Teach Algebra**

Participants engage in activities that develop connections between a table, graph, rule, and context. They analyze how these connections help develop students into powerful problem solvers.

**Barbara West****Long Trail School**

**HS, PS, G, S****High School Mathematics Preparation:  
What do Colleges Expect?**

Panel Discussion: Participate in a discussion about the mathematics students should know upon entering college. Experts from the MAA, NYSMATYC, and AMTNYS will help foster communication.

**Joseph Straight**  
**Sue McMillen**  
**Ronni David**  
**Jodi Cotten**

**SUNY Fredonia**  
**Buffalo State College**  
**AMTNYS HS Level Rep**  
**Westchester Community College**

<b>MINI-COURSES 11:00-1:00</b>
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**G****Using Art to Bring Inquiry and the  
Qualitative into the Math Classroom**

Interacting with art can be both generator of material for and model for inquiry-based learning in the math classroom. Based on workshops at MoMA.

**Sunita Vatuk**  
**Lisa Mazzola**

**Metro Math CUNY, The Graduate Center**  
**Museum of Modern Art, NYC**

**K-2****Making Sense of Basic Operations for  
Greater Conceptual Understanding**

Teachers will uncover the underlying conceptual basis of elementary school algorithms and the strategies to support all students as they attain greater efficiency and understanding

**Steven Bluestone**  
**Peggy Gelman**

**Rye City School District**

**MS, 9****Problem Solving? No Problem!**

More often than not, the key to problem solving is not 'how' to do the problem, but, rather, figuring out 'what' to do. Come join us!

**Phyllis Pullman**

**EDR Region C; ATMNYC; UFTMTC; Marie Curie HS1580 (retired)**

<b>SESSIONS 12:35-1:35</b>
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**3-5****A Look at Polygon Relationships Using  
Grandfather Tang's Story**

Using Grandfather Tang's story, we will create our own tangrams while looking into the relationships between and among the polygons formed.

**Susan Smith**

**Molloy College**

**MS****Activities to Motivate the Math Class**

Some ideas to help create more interest for both students and teachers.

**Fred Paul**

**NYSED (retired)**

**MS, HS****Math and the Movies- Grabbing Students' Attention**

A series of short (<4minutes) video clips from well known movies will be used to spice up math topics such as quadratic equations, probability, functions, parabolas, trig, etc. Accompanying worksheets.

**Frederick Roberts**  
**Donna Roberts**

**Cayuga Community College**

**HS****Have Fewer Algebra Students Fall Through the Cracks**

Try a new supplementary algebra program that truly engages students through activities that connect algebra concepts to their world. It enhances any text.

**Kevin Gormley**

**Consultant - About Learning, Inc**

<b>SESSIONS 12:45-1:45</b>
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**K-2, 3-5, MS, HS, G****The Road to Regents Geometry: The K-8 Connection**

When instruction is at a higher geometric reasoning level than the learner, little or no learning may take place. In a class of students at several levels, what do you do?

**Elliott Bird**

**NYS Math Mentors, CW Post College, L.I.U.**

**MS, HS****Was Hippasus Irrational? Classroom Connections to Math History**

Attention grabbing stories as entry points lead to practical lessons. Win a math duel! Most deal with Geometry and Number Theory

**Mary Mullock**

**Binghamton High School**

**MS, HS****You Call this Algebra?!**

Must algebra consist only of equations? This talk will provide an historical/pedagogical context for alternatives used by some students grappling with algebraic symbolism.

**Jamar Pickreign**  
**Robert Rogers**

**SUNY Fredonia**

**HS****New York State Math Honor Society Annual Meeting and Informational Session**

Annual meeting to review progress of chapters, financial matters, and scholarships. There will be time for questions and answers for prospective new chapters and ideas for current chapters.

**Janet Pittelli**

**Co-Chairperson**

**Jeanine Scinta-Sass**

**Co-Chairperson**

**Peg Coryer- NYSAMS rep, Robyn Poulsen, William Shaul, John Webster, Tammy Casey, Bob Hazen, Jenn Griffin, Ben Lindeman**

**HS, PS****"You Can Never Have Enough Activities for Calculus"**

Participants will see demonstrations of activities for AP Calculus AB and BC and walk away with a CD of activities.

**Mary Lou Giannetto**  
**Lynda Vincent**

**North Salem CSD****COMPUTER/SMARTBOARD WORKSHOP 12:45-2:00****HS, PS****Discovering Pi and e on the TI-Nspire Calculator**

Use the TI-Nspire to have your students discover Pi and e using geometry and graphs. Learn to create the files needed. Intermediate/Advanced Level.

**Jennifer Chirles****Gen. Douglas MacArthur HS****HS, PS****Transformational Geometry Using Matrices**

Matrices of coordinates can be introduced in Algebra I and Geometry, allowing a discussion of transformational geometry and computer graphics applications. Inspired by reform curricula.

**Craig Smith****Brighton Central Schools****G****How To Create Math Video Podcasts**

This presentation will show teachers how to create video podcasts on a smartboard. These videos will be embedded on a website and uploaded to the itunes music store.

**Christopher Polizzi****Nanuet School District****WORKSHOPS 12:45-2:00****K-2, 3****A Kaleidoscope of Activities (K-3)**

Participants will explore the NYS performance indicators by creating and calculating with a collage of activities. Healthy snacks and handouts provided.

**Beryl Szwed****AMTNYS/NYSAMS****K-2, 3-5****Operation Box Cars - Math Games for Elementary**

Come prepared to play card and dice games that cover: basic operations, numeration, and place value, graphing and data management. Probability and problem solving are integrated.

**Cheri Eck****Box Cars & One Eyed Jacks**

**3-5 Is Lattice Multiplication New?**

This session will connect history to that of today's classroom practice. Participants will explore the use of Napier's Bones along with lattice multiplication, as well as, Genaille-Lucas Rulers.

**Jodelle Magner****Buffalo State College****3-5, MS, S, G Division Inverse of Multiplication with Manipulatives**

The array model represents multiplication. The array model's inverse represents division, especially with manipulatives called "foamies"

**Paula Drake****NYS Math Mentor****MS Have Fun and Make the Standards Come Alive in Your Classroom**

Go home with activities and ideas to use in your classroom that not only help the students understand concepts, but are FUN!

**Iva Jean Tennant****West Middle School, Binghamton City School District****MS Using the TI Navigator to Prepare for Assessments**

Learn how to make review for assessments fun and have students learn from each other. This can be used for any assessment.

**Sherry Johnson****Little Falls Middle School****MS, 9-10 Interpreting Graphs about Global Warming**

This activity uses graphs describing Global Warming. Participants are given 6 statements, and categorize the statements as true/false. Templates provided to implement in your classroom.

**Jean Hallagan****SUNY Oswego****MS, HS CAS - WHAT? WHEN? WHY?**

CAS have been around for a long time. What are they and why should teachers consider incorporating them into their practice will be discussed and modeled.

**Bill Caroscio****Elmira Southside High School (retired)/T3 National Contract Instructor****HS "In-Proofing-Geometry" Workshop**

Simple, but effective ways for our students to develop the concept of geometric proof. Activities and instructional tools for teaching proofs and other topics from geometry.

**Arline Ely****Horseheads High School**

**SED WHAT'S YOUR QUESTION? (K-8) 2:25-3:40**

<b>SESSIONS 2:10-3:10</b>
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**3-5, MS, HS, G      Interactive Session with Examgen**

We will be showing an effective way of making tests, editing and making questions. Samples from our new NYS Geometry and Elementary Math will be available.

**Luke Masouras                      Examgen, Inc**  
**Howie Astrachan**

**MS, HS                      Lessons With Potential from Teachers  
With Potential**

From fractions to calculus (and plenty in between) plan to take home great lessons, projects, and activities from AMTNYS members presenting for the first time.

**Keary Howard                      SUNY Fredonia**  
**Teodora Cox**

**MS, HS                      Integrated Algebra and the Graphing  
Calculator**

The Integrated Algebra course contains topics and skills previously covered in Math B. Graphing calculator skills for topics such as functions and statistics will be covered. Beginner/Intermediate Level.

**Jayson Kiang                      Mathematics Dept Chairperson, Longwood Senior High School**  
**Michael Andrejkovics              Northport High School**

**HS                      Concurrence Theorems in Geometry**

Look at proofs for the concurrence of altitudes, medians, angle bisectors, and perpendicular bisectors of a triangle from the state geometry course.

**Ann Xavier Gantert**

**HS                      Quick Review of Euclidean Geometry  
Proofs**

Are you teaching Geometry this year? If so, I will complete a quick refresher course that will re-introduce you to two column geometry proofs.

**Lee Fothergill                      Mount Saint Mary College**

<b>SESSIONS 2:20-3:20</b>
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**HS                      Need Quality Activities for those Long  
Blocks?**

During this session, we will explore several activities - new and old - to enhance instruction in the block and to reach the differentiated strengths and interests of today's students.

**Bonnie Morris                      Pulaski Middle-Senior High School**

**HS Making Trigonometry Make Sense**

SOH-CAH-TOA. Unit circles. Radians. Wrapping functions. Identities. Anyone ever get confused? Help your students sort things out and tie them together - geometrically.

**David Bock****Ithaca High School, Cornell University (retired)****11-12, PS Leibniz' Calculus - Real Retro Calc**

This talk presents the history and applications of Leibniz' calculus rules and suggestions for use in an AP or University Calculus class.

**Robert Rogers****SUNY Fredonia****HS My Experiences with the Bungee Jumping Lab**

Relish the enthusiasm and learning that takes place during this lab! Students extract a regression equation and then apply it to save Barbie from harm!

**Denise Ivison****Pulaski Middle-Senior High School****COMPUTER/SMARTBOARD WORKSHOP 2:25-3:40****MS, HS Introduction to Smartview 2.0**

Explore features of this TI-84 emulator. Learn how to enhance mathematics instruction, transfer calculator files, and create specific calculators for each class taught.

**Martha Green****Molloy College****MS, HS TI Technology in your Classroom**

Come see the latest educational technology from TI. Get hands-on with the TI-Nspire hand held and computer software, the new TI-Navigator, and more!

**Dana Morse****Texas Instruments****HS Triangle Centers**

"How can a triangle have a center?" Let's use the Geometer's Sketchpad to investigate the different triangle centers and learn the interesting properties they lead to.

**Joe Mahoney****Putnam Valley HS****WORKSHOPS 2:25-3:40****3-5 When Was the Last Time You Read a Good Math Book?**

Come and see the correlation between math and literature. Discover the use of manipulatives to further enhance the two subjects.

**Harriet Yustein****NYS Math Mentor**

**3-5, MS, HS      Using Graphic Organizers to Enhance Students' Organizational Skills**

Using cutting-edge paper folding techniques, generate a smorgasbord of activities to enhance students' organizational and note taking skills. Create self-check booklets.

**Terri Steigelman-Johnson      Glencoe/McGraw-Hill**

**HS      Algebra: Connections Using Multiple Representations**

Activities that help find the connections between a rule, graph, table, and context. Learn ways to help students move from each representation to the other.

**Lonnie Bellman      CPM Educational Program**

**HS      A Garbage Plate of Assessments!**

A variety of alternative assessments address different math topics in a real life "fun" way. Two per grade level explained; one will be done with participants.

**Karin Meuwissen      Gananda High School**  
**Laurie Rosborough**

**HS      Introduction to the TI Navigator 3.0**

Use the TI-Navigator remote learning system to send and analyze data, screen capture, quick poll, and "play" in the activity center

**JoAnn Miltenberg      Farmingdale School District**

**HS      What are "logs" used for?**

Come see how important the applications of logarithms are to the regents and AP chemistry curriculums. Hands-on session with take-away worksheets. Bring a graphing calculator.

**Sally Mitchell      East Syracuse Minoa High School**  
**Jean Hallagan**

**MINI-COURSES 2:30-4:30**

**3-5, MS, G      Making Sense of Place Value, Multiplication, Powers of 10, Exponents, and  $10^0$  while using Base Ten Blocks**

Place value is the cornerstone of the numeration system. As students progress through grades, making sense of it is fundamental to understanding higher level mathematics.

**John McAdam      Marist College**

**HS      Using TI Technology to Teach and Learn Integrated Geometry**

Participants will receive a hands-on session dealing with specific standards from Integrated Geometry. Using Cabri Jr. and TI-Nspire to enhance the learning and teaching experience.

**Vincent Doty      Texas Instruments**



<b>COMPUTER/SMARTBOARD WORKSHOP 4:05-5:20</b>
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**3-5****Exploring Mathematics Through Geography**

Learn how to use free Geographic Information Systems (GIS) software to illustrate various mathematical concepts.

**Wendy Miller**  
**Mary Gfeller**

**SUNY Cortland****MS****Differentiating Middle School Math Instruction**

This session offers middle school teachers engaging strategies for making the curriculum accessible to all students, from those with special needs to the academically gifted.

**Joanne Fleming****NYS Math Mentor, Mineola Middle School****MS, HS****Using PowerPoint to Create Interactive Math Games**

Learn how to use interactive games that involve PowerPoint in your classroom. Templates for these games will be shared either by thumb drive or email.

**Karen Samis**  
**Heather Hoad**

**Dr. Freddie Thomas High School**

<b>WORKSHOPS 4:05-5:20</b>
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**K-2****Developing Young Mathematicians' Number Sense with Engaging Mathematical Games**

In this session participants will play games, discover winning strategies, and discuss how the games can be used to develop number sense and mathematical reasoning of their students.

**Jim Matthews****Siena College****K-2, 3-5****Literature + Math = Learning + Fun!**

This hands-on, interactive workshop will show you ways to use trade books to integrate your curriculum while meeting the NYS math standards.

**Suzanne Etz**  
**Grace Finn**

**Lura Sharp Elementary/Pulaski Academy and Central Schools****5-7****Hands-On Exploration of Solids**

Engage in hands-on activities that target geometry standards for grades 5 to 7. The activities help students develop geometric vocabulary, spatial abilities, and geometric reasoning.

**Shana Snyder**  
**Susana Davidenko**

**Cortland City School District**

**MS, S, G**

**Making Algebra Child's Play with Hands-On Equations®**

Experience this visual and kinesthetic approach to introducing algebraic concepts to middle school students. Makes  $4x + 2 = 2x + 10$  Child's Play! Examples of verbal problems will also be shown.

**Mary Ann Lane**

**Borenson & Associates, Inc**

**MS**

**Developing Activities Supporting NCTM Curriculum Focal Points for Algebra in the Middle School**

A progression of activities developing students' understanding of rate of change. Discuss pedagogical considerations of a developmental approach to math. Patterns from collected data represent algebraic functions.

**Berchie Holliday**

**Glencoe/McGraw-Hill**

**MS**

**Investigating the Statue of Liberty**

This session will address both process and content strands of the Math Standard. Participants will perform a "hands-on" activity involving facts about the Statue of Liberty.

**Ben Lindeman**

**NYSED (retired)**

**PRE-BANQUET RECEPTION 6:15-6:45**

**BANQUET AND PRESENTATION OF DISTINGUISHED SERVICE AWARD**

**6:45-8:45**

**Lynn Richbart**

*Learn From the Past and Have Some Fun with Mathematics*

**Lynn Richbart**

Lynn taught and became the Mathematics Chair at Grand Island Middle and High School before joining the Bureau of Mathematics Education of the New York State Education Department. He was at SED for 31 years. He served AMTNYS as Chair of the Site of the Annual Meeting Committee for over ten years, was the AMTNYS Photographer for three years, and presented numerous workshops at all K-12 levels for the summer and annual meetings. In 2000 he received the Distinguished Service Award from AMTNYS. He, with his wife Carolyn, has authored over 40 journal articles for AMTNYS or NCTM. Presently they are enjoying retirement in sunny, warm South Carolina.



<b>SESSIONS 8:00-9:00</b>
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**K-2, 3-5****Colorful Elementary Math Lessons with Interactive Spreadsheets**

A variety of interactive elementary math lessons will be demonstrated using Excel spreadsheets and their color, clip art, and formula features.

**Pam Culbertson****Instructional Computing Specialist, Mohawk Regional****MS, HS****Mathematics, Dynamic Software, and Powerful Ideas!**

Discover how students can gain a deeper understanding of powerful mathematical ideas through well designed, engaging technology based activities developed by the speaker.

**Ihor Charischak****President of the Council for Technology in Math Education (CLIME)****MS, HS****Using a Visual Approach to Reinforce Algebra Solutions**

Examine ways to reinforce algebraic solutions using pattern blocks, diagrams, and animations.

**Mary Gfeller****SUNY Cortland****David Dickerson, Aaron Marsh****MS, HS****Lessons With Potential from Teachers With Potential**

From fractions to calculus (and plenty in between) plan to take home great lessons, projects, and activities from AMTNYS members presenting for the first time.

**Keary Howard****SUNY Fredonia****Teodora Cox****MS, HS, PS, G****Lines of Best Fit - Fact and Fiction**

How and why does linear regression work? What do lines of best fit really say? And what common misunderstanding appears in textbooks and Regents exams?

**David Bock****Ithaca High School, Cornell University (retired)****S,G****Engaging Teachers to Engage Students**

Effectively engage students through the panalogy of strategies offered in "Classroom Instruction that Works" by Marzano, et. al. Choose! Which of these strategies work best? Help your colleagues focus.

**Juanita Maltese****NYSAMS sponsored****Bruce Waldner**

<b>COMPUTER WORKSHOP 8:00-9:15</b>
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**MS, HS****Similarity Taught Differently on Geometer's Sketchpad**

Learn how to have students discover similarity with Geometer's Sketchpad. Plan to take home lessons and activities using this software.

**Stephanie Graseck****Niskayuna High School**

<b>WORKSHOPS 8:00-9:15</b>
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**3-5****Measurement Madness**

Explore what it means to measure, what units and tools are appropriate, measurement of weight, surface area and volume, and the approximate nature of measurement.

**Diane Rogers****Syracuse City School District****Lisa Serrao****4-5, MS****Multiplication and Division Using the Distributive Method**

Participants will use place value blocks and algebra tiles to multiply and divide. These are methods that can help all children, grades 4-8, learn to operate!

**Margaret Golden****NYS Math Mentor****MS****Teach Algebra Skills Using Tiles and Games for Grades 6 to 8**

Participants will be actively engaged in using manipulatives, playing games, and doing activities to enhance learning of math concepts.

**Lonnie Bellman****CPM Educational Program****MS****Differentiation in Your Middle School Math Class!**

Are you interested in differentiation in your math class but not sure where to begin? This hands-on session will help you get started!

**Laurie Griffo****Louis M. Klein Middle School****Andrea Courtney, Linda Criniti****MS, HS****Using Manipulatives and Investigations in Geometry**

Participants use manipulatives and investigations to develop concepts such as similarity and triangle congruence, transformations, central angles, and polygons, area, heights of triangles, and more.

**Barbara West****Long Trail School**

**MS, HS, G****The Wheel! When Is It Not a Circle?  
Graph It! Discover Peaks, Valleys, and  
More!**

Using a wheel, we connect graphical representations to more sophisticated concepts. We're excited about developing links to concepts such as amplitude, frequency, and period.

**Lauren Flood****Teachers College, Columbia University****John McAdam, Ph.D****Marist College****HS****Using Cabri Jr. in the New Geometry  
Curriculum**

Participants will work through geometry lessons to help them use the Cabri Jr. App that comes pre-installed on the TI-84 calculators. Beginner Level.

**Sonja Barrera****HS****Integrating TI-Nspire in the Classroom**

In this session, teachers will learn how to integrate the TI-Nspire into an everyday lesson. Strategies and activities will be shown that will truly "inspire" your students.

**Brittany Zweibel****MacArthur High School****MINI-COURSES 8:15-10:15****MS, HS****Photography in the Math Classroom -  
Exploring Mathematical Thinking and  
Linear Perspective**

Participants will draw and look at photographs to discover, make conjectures about, and explain rules of linear perspective; then discuss connections to the state standards.

**Sunita Vatuk****Metro Math CUNY, The Graduate Center****HS****I'm Scheduled to Teach Geometry! Now  
What?**

Student success in the new geometry course can be enhanced through the use of "dynamic" geometry. Some won't reach the new standards without it.

**Bill Caroscio****Elmira Southside High School (retired)/T3 National Contract  
Instructor****HS****Trigonometry on a Paper Plate**

Participants will make a paper plate calculator to develop the unit circle concepts in Trigonometry.

**Irene Jovell****Questar III BOCES**

<b>SESSIONS 9:30-10:30</b>
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<b>MS</b>	<b>Cultivating Algebraic Thinking</b>
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Using positional analysis, energize your students from pattern construction to formula manipulation to graphic representation. Your students will see algebra with greater clarity.

**Eric O'Brien**

**Bellmore Schools**

<b>MS, HS, PS</b>	<b>Content Specific Sudoku Puzzles</b>
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Write Sudoku puzzles using content related questions. You will be provided with templates, samples, and assistance.

**Bonnie Fenner**

**New Hartford Senior High**

<b>HS</b>	<b>Collaborative Teaching to Assist At-Risk Students with the New Geometry Curriculum</b>
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Maximize student engagement and increase student knowledge of the new geometry curriculum. Let's help the at-risk students and kinesthetic learners conquer geometry.

**April Clauss  
Carol Pine**

**Massapequa High School**

<b>G</b>	<b>Presenting Yourself in the Job Market</b>
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Designed for prospective math teachers, this session addresses many aspects of presenting yourself, including your presentation online through OLAS, your resume, an interview, and more.

**Heidi Bromley**

**Mohonasen Central Schools**

<b>G</b>	<b>The Power Trio Takes the Stage: MST</b>
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As the MST Liaison for AMTNYS, Bob will conduct a group conversation about the future integration of the NYS MST Standards, Curriculum, and Professional Development.

**Bob Hazen**

**Retired**

<b>COMPUTER WORKSHOP 9:30-10:45</b>
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<b>3-5, MS, HS</b>	<b>Sketchpad LessonLink™ from Key Curriculum Press</b>
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New online service from Key Curriculum Press, with more than 500 classroom-ready Sketchpad activities aligned to your curriculum and state standards. Appropriate for grades 3-12.

**Steve Reinhart**

**Key Curriculum Press**

<b>WORKSHOPS 9:30-10:45</b>
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<b>K-2, 3-5, G</b>	<b>The Write Math</b>
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Participants will explore practical writing/talk activities which support learning in mathematics. They will also engage in easy-to-implement problem solving activities that promote student thinking.

**Dr. Cathy Marks Krpan**                      **University of Toronto/Ontario Institute for Studies in Education**

<b>3-5, MS</b>	<b>Musical Math - Exploration Through a Hands On Music Box</b>
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Fractional parts, patterns, and problem solving will be applied through interaction with a giant music box. No musical experience needed.

**Rick Walker**                                      **Sun Microsystems**  
**Beth Walker**

<b>MS</b>	<b>Effective Co-Teaching in Special Ed. Class</b>
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Set up a classroom encouraging students to work and be active participants. Emphasis on techniques for teaching vocabulary, differentiated instruction, use of manipulatives and technology.

**Sherri Blais**                                      **Monticello Schools**  
**Joy Janusas**

<b>MS</b>	<b>Middle School Math and Weather Connections</b>
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Participants build actual weather instruments, observe, and predict the weather, and learn how these activities correlate with the New York State Math Standards

**Mark Hanok**                                      **The Western Catskills Weather Gazette**

<b>MS, HS</b>	<b>A 3-D (and Higher Dimension) Generalization of Medians of a Triangle</b>
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Using Cabri Geometry on calculators (including TI-Nspire) and computer software (CABRI II+ and 3D), we will investigate midpoints of segments and medians. A very surprising result will appear. Beginner Level.

**Roberta Eisenberg**                              **UFT Math Teachers Committee**

<b>HS</b>	<b>Teaching Mathematics with TI-Nspire</b>
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See the "Rule of Four" on a handheld. Students simultaneously view graphical, numerical, algebraic, and verbal representations; change one, and immediately see the others change. Beginner Level.

**Ann Davidian**                                      **Gen. Douglas MacArthur HS**

<b>HS</b>	<b>Graphing as a Thread for Integrated Algebra</b>
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Graphing as a thread to show how multiple representations enhance students' understandings of math while incorporating NYS content and process strands.

**Jim Heine**    **College Preparatory Mathematics**

**HS****The Proof is in the Pudding!**

Proofs can be taught using a "mini-proof" method. Students will understand how small proofs build upon each other to make proofs as easy as eating pudding!

**Laurie Rosborough****Gananda High School****SESSIONS 11:00-12:00****MS, HS****Discovering Geometry Through The Use of Cabri Jr.**

An introduction to Cabri Jr's basic features, functions, and easy ways to use it as a means of discovery and making connections. Bring your graphing calculator.

**Lori LaRocco****Webster Schroeder High School****Donna Zippin****New Hartford High School****MS, HS****RM Math - Standards Based Digital Resources for Your Classroom**

Come see the value of RM Math Framework in enabling teachers to integrate NY standards based visual interactive resources and technology into your math classes.

**Catherine Bell****RM Education****HS****Engaging Students with the Birthday Problem, Graphing Calculators, and Spreadsheets**

This presentation uses the TI-83/84 and Excel to explore the Birthday Problem. Techniques will be shown that can be used by teachers in the classroom.

**Brian Evans****Pace University****HS****Three Dimensional Geometry**

The new state geometry course includes a section on solid geometry. This session will look at proofs and props for presenting this material to students.

**Ann Xavier Gantert****HS****Solve Interesting Probability Problems**

Participants will solve interesting probability problems that can be used in their classrooms to increase dialogue about this counterintuitive topic. Bring a TI-83, 84.

**Raymond Siegrist****SUNY College at Oneonta****HS****4MAT for Algebra**

This teaching strategy is an elegant and practical way of organizing Algebra instruction so that all students will find it more engaging, meaningful, and memorable.

**Dr. Katherine Staltare****Yonkers Public Schools, Riverside High School**

**HS, PS****The Many Ways to Look at Riemann Sums on TI-Interactive**

Look at the graph and calculations change as we approach an infinite sum of areas of rectangles.

**Stephanie Graseck****Niskayuna High School****G****"Getting the Grade" - Those First Years of Teaching**

With more than twenty years of supervisory experience working with teachers, Dr. Lohnas offers suggestions towards beginning teachers' success during critical years leading to tenure.

**Douglas Lohnas****NYSAMS sponsored****COMPUTER WORKSHOP 11:00-12:15****3-5, MS****Intervention Solutions to Engage Elementary and Middle School Math Learners**

Join us for a look at an integrated instructional approach to mathematics for all students including those with special needs. Free software will be provided.

**Frederick Steitz****Neufeld Learning Systems****WORKSHOPS 11:00-12:15****K-2, 3-5****MATH + MAGIC = ENRICHMENT**

Learn some math based magic tricks that you can use in your classroom to provide enrichment. Handouts provided.

**Blair Madore****SUNY Potsdam****3-5****Using TI-10 and TI-15 as a Teaching Tool**

Participants will be introduced to TI technology as designed specifically for elementary grades. Focus will be on teaching with technology. Making math exciting for kids.

**Vincent Doty****Texas Instruments****MS****Green Math for Earth Day and Everyday**

Use demographics and data on resource use, climate change and land use patterns to teach measurement, data analysis, problem-solving, representation and more. Free activities CD-ROM!

**Gary Schechter****Adelphi University****MS****A Hands-On Approach to Differentiated Instruction**

This stimulating hands-on workshop will allow middle school teachers the opportunity to explore differentiated instruction using a unique approach to learning with Pattern Blocks.

**Gerald Haber****Pearson Prentice Hall**

**MS, G****Pi Dough, Homemade Pi and May I Have a Large Container of Coffee?**

Pi is an irrational number with a rational explanation. Using "pi" dough, scissors, circles, squares, and wedges, participants will actively make sense of Pi.

**Courtney Ferrell**  
**Lauren Flood**

**Bronx Theatre High School**  
**Teachers College, Columbia University**

**MS, HS, PS****Origami for Dummies**

Love origami but have trouble doing it? Then this is the workshop for you. Our instructions, utilizing precise mathematical language and well-constructed, labeled figures, will have you folding like an expert in no time!

**Joseph Straight**  
**Amber Powell**

**SUNY Fredonia**  
**Dunkirk Middle School**

**HS****One Size Doesn't Fit All - Helping All Students Learn**

A differentiated and individualized approach the classroom instruction in a coteaching/noncoteaching setting.

**Salvatore Calderone**  
**Keri McAvoy, Noreen Reinle**

**Massapequa High School, AMES Campus**

**HS****Dynamic Geometric Optimizations Using TI-Nspire**

There is no reason for students to solve optimizations problems by looking at a static drawing. Explore a quadratic optimization geometrically, numerically, graphically, and algebraically. Dynamic Geometric Optimizations Using TI-Nspire

**Eugene Olmstead**

**Retired**

**HS, G****The Linear Function,  $y = ax+b$** 

Viewing these functions as a transformation of the line leads to a better understanding of them and their applications - in particular, just how loans work.

**Jack Graver**

**Syracuse University**

**ANNUAL CONFERENCE COMMITTEE CHAIRPERSONS 2008**  
**Conference Coordinator: Gary Furman**

Arrangements	Eric Shewmaker
Banquet	Jennifer Koch
Commercial Exhibits	Caryl Lorandini
Compiler	Iva Jean Tennant
Free Materials	Ryan Speer
Hospitality	Tara Hamburger
Make It-Take It	Elvira Scott-Padavano
Photographer	Katie Rommel-Esham
Poster Contest & Web Design Contest	Stephanie Graseck
Program	Elizabeth Waite
Publicity	Christopher Monahan
Presiders	Lou Aubain
Registration	Jennifer Jessup
NCTM & Scholarship Sales	Ona Masters & Heidi Bromley
NCTM Materials	Beryl Szwed
Treasure Hunt	Ryan Speer

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**ADVANCED CONFERENCE REGISTRATION FORM  
Association of Mathematics Teachers of New York State**

**58<sup>th</sup> Annual Conference**

**Rye Brook, NY**

**November 6-8, 2008**

*If registration is being made for more than one person make copies of this form.*

The advanced registration deadline is Oct. 23, 2008. Forms received prior to Oct. 23, 2008 will be acknowledged by email. Use your **Credit Card**, register online: [www.amtnys.org](http://www.amtnys.org) or by **check** fill out this form. (PLEASE PRINT)

Membership Number \_\_\_\_\_ NICKNAME, for badge (E.g., Bob, Barb, Rick, etc): \_\_\_\_\_

<b>Name</b>	
<b>Street Address/PO Box</b>	
<b>City, State Zip</b>	
<b>Home Phone</b>	
<b>School District/Business</b>	
<b>Address</b>	
<b>City, State, Zip</b>	
<b>Work Phone/Cell Phone</b>	
<b>Email Address</b>	

<b>Current Status</b>	<i>Check all that apply</i>	Teacher/Professor	<b>Area of Focus</b>	<i>Check all that apply</i>	Elementary School
		Supervisor/Dept Head		Middle/Junior High	
		Retired		High School	
		Full Time Student		College	
		Other:		Adult/other	

<b>Membership Renewal</b>	<b>Status</b>	<b>Dues</b>	<b>Totals</b>
	Full Time Teacher	\$30/1 yr	
	Retired Teacher	\$15/1 yr	
	Full Time Student/First Year Teacher	\$15/2 yrs	
		<b>Membership Amt</b>	

<b>Advanced Registration</b>		<b>1 Day</b>		<b>Full Conference</b>		
		<b>Member</b>	<b>Non-member*</b>	<b>Member</b>	<b>Non-member*</b>	
	Full Time Teacher	\$75	\$105	\$120	\$150	
	Full Time Students	\$20	\$35	\$20	\$35	
		<b>Registration Amt</b>				
		<i>* Non-member registration fee includes one year membership in AMTNYS</i>				

<b>Banquet</b>	Salmon with Mango BBQ		<b>\$59</b>	
	French Cut, Herb Crusted Chicken			
	Rolled Vegetable Lasagna			
			<b>Banquet Amt</b>	

<b>NYS AMS</b>	NYS Association Math Supervisors Membership	\$20	
	Breakfast—NYSAMS members only	\$32	
		NYSAMS Amount	

<b>Scholarship Donation (Optional)</b>	<b>Scholarship Donation (Optional)</b>	
<b>Grand Total</b>		

<b>Other Info</b>	<b>Onsite Registration</b>	<b>1 Day</b>		<b>Full Conference</b>		
		<b>Member</b>	<b>Non-Member</b>	<b>Member</b>	<b>Non-Member</b>	
	Teacher Registration	\$85	\$115	\$140	\$170	
	Student Registration	\$25	\$40	\$25	\$40	

**Refund policy:** All requests must be submitted in writing, postmarked by Oct 20, 2008 and mailed to: Gary Furman 24 Chelsea Lane Rock Hill, NY 12775 or [gfurman@k12mcsd.net](mailto:gfurman@k12mcsd.net)

Make Checks Payable to: **Treasurer AMTNYS** (Purchase Orders NOT Accepted)  
Mail to: Frank Sobierajski, Data Manager, PO Box 277, Cato, NY 13033

**REFUND POLICY STATEMENT**  
**Adopted by AMTNYS Executive Board 10/31/87**

**I. PERSONAL REFUNDS – revised 10/30/95**

All requests for refunds to AMTNYS Conferences must be received in writing, by the conference coordinator, at least 7 days prior to the opening of the conference/workshop. Membership fees are non-refundable.

**II. COMMERCIAL/EXHIBITOR/SPONSOR REFUNDS  
(EXCLUDING ADVERTISEMENTS)**

All requests for refunds to AMTNYS Conferences must be received in writing, by the conference coordinator, and are subject to the following:

- A. Outside of 60 days prior to the opening of the conference OR printing of the conference program, whichever comes first: 80% of all fees will be refunded.
- B. Within 60 to 7 days prior to the opening of the conference OR printing of the conference program, whichever comes first: 60% of all fees will be refunded.
- C. Within 7 days prior to the opening of the conference: 40% of all fees will be refunded.

III. No refunds will be given for advertisements submitted.

IV. This policy statement should be printed on all registration materials (personal and commercial/exhibitor).

V. This policy statement should be directed to the conference coordinator, who will authorize all refunds to be processed through the treasurer according to the above refund criteria and schedule. All requests will be processed according to the date of receipt.

Conference Coordinator:  
Gary Furman  
24 Chelsea Lane  
Rock Hill, NY 12775

Submit your question for SED today, Thursday, if you would like it to be answered during the “What’s Your Question?” sessions tomorrow. Please leave this sheet in the appropriate box at the Hospitality table.

Meeting (circle one):    K-8 (2:25 PM Friday)                      HS (4:05 PM Friday)

Question: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_