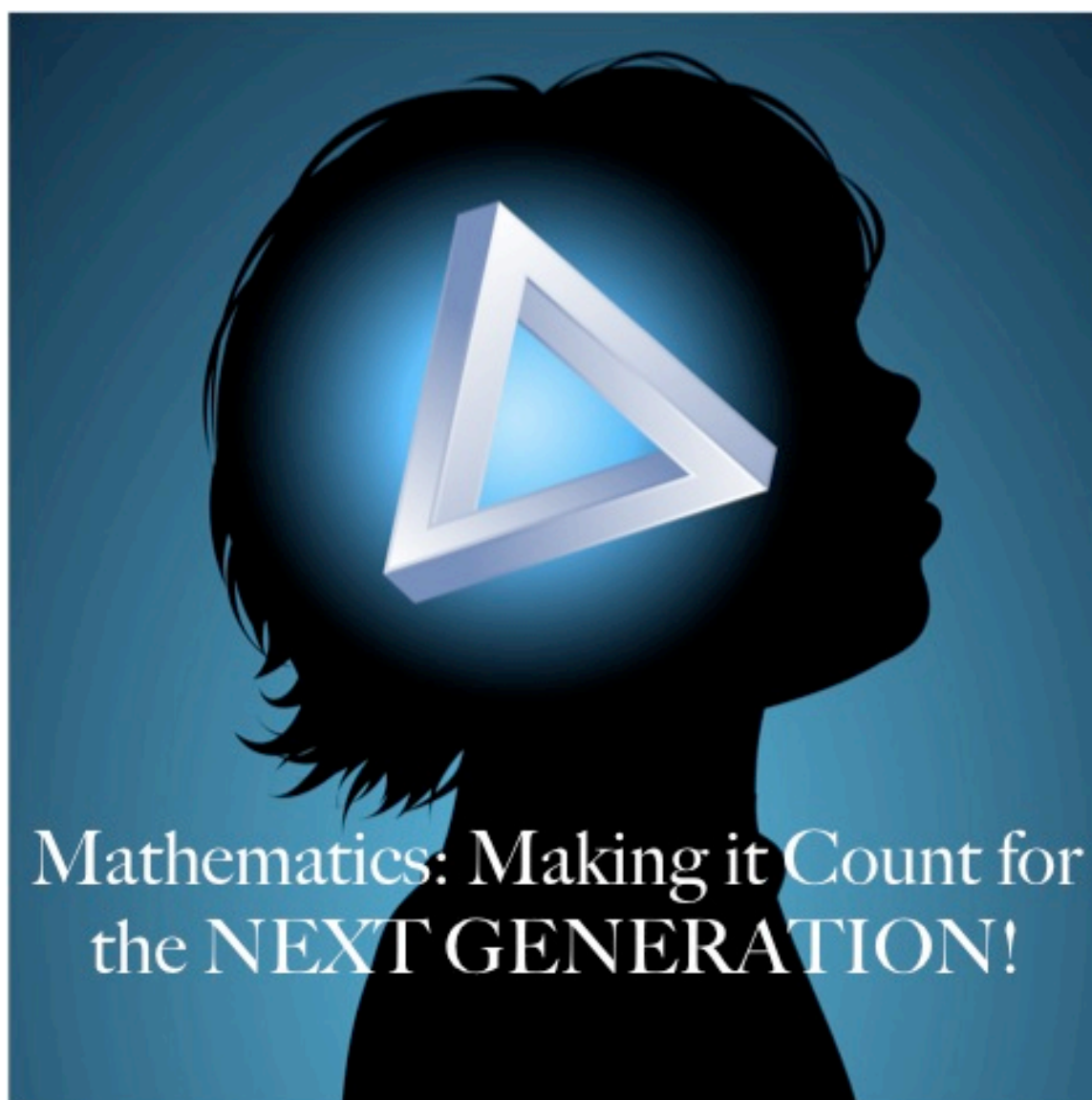


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TEACHERS OF MATHEMATICS
2010 ANNUAL CONFERENCE



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Florida Council of Teachers of Mathematics

AFFILIATED WITH NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

September 30, 2010

Welcome to the 58th Annual Conference of the Florida Council of Teachers of Mathematics 2010 – **“Mathematics: Making it Count for the Next Generation.”** The FCTM Board of Directors and the Affiliates from around the state are proud and delighted to be your host for this year’s conference.

Through the years, the Florida Council of Teachers of Mathematics Annual Conference has grown in numbers and quality. The 2010 Conference Committee has worked long and hard this past year to bring you another outstanding conference. We have planned over 240 exciting sessions for you to attend. You will find many interesting and worthwhile sessions available at all academic levels.

In addition, it is our hope that you take advantage of the special events planned during the conference:

- Vendor Open House Reception on Thursday afternoon from 4:00 PM – 5:00 PM followed by the Opening Session from 5:00 PM to 7:00 PM
- Greg Tang will be our featured speaker at the Opening Session



Math, Music, and Munchies! Party with the Knight Sounds Live Band! Live Music, Food, Beverages, Fun!

- And, of course, our Closing Breakfast Session (ticketed event) featuring Cathy Seeley

We invite all participants to attend the FCTM Annual Business Meeting on Thursday afternoon from 12:15 PM – 1:25 PM in the Suite #271. Become involved in FCTM! You are encouraged to attend.

Please express your appreciation to the publishers and vendors. They help support our conference by exhibiting new scientific research-based, cutting edge products for mathematics education.

In addition to attending the sessions, special events and visiting the exhibits, take the time to vote in the election. Voting will take place in the Conference Registration area in the International Ballroom Foyer on Friday from 10:00 AM to 2:00 PM. Your vote is important. Be sure to cast your ballot! Just a reminder: In order to vote, you must have been an FCTM member on July 1, 2010.

Enjoy your conference! Take advantage of all the learning opportunities available! Have a great time! We hope you will leave Saturday afternoon with information, activities and ideas to use in your classroom and to share with your colleagues and school district this year!

Thank you for all you do for mathematics education in Florida!
Have a wonderful conference!

Janet Meinke

Janet Meinke, President
Florida Council of Teachers of Mathematics

Conference Agenda

58th FCTM Annual State Conference

September 30 – October 2, 2010

Omni Resort ChampionsGate

Orlando, Florida



Wednesday, September 29, 2010

Pipe and Drape – International Ballroom	12:00 PM – 4:00 PM
Vendor Check In – International Ballroom	4:00 PM – 8:00 PM
Vendor Set-Up – International Ballroom	4:00 PM – 8:00 PM
Registration – International Ballroom Foyer	4:00 PM – 9:00 PM
Hospitality – International Ballroom Foyer	4:00 PM – 9:00 PM

Thursday, September 30, 2010

Registration – International Ballroom Foyer	7:00 AM – 6:15 PM
Hospitality – International Ballroom Foyer	7:00 AM – 6:15 PM
Sessions	8:00 AM – 4:00 PM
Vendors/Exhibits – International Ballroom	9:00 AM – 5:00 PM
Vendors' Open House	4:00 PM – 5:00 PM
FCTM Business Meeting – Royal Melbourne B	10:50 AM – 12:00 PM

****Special Events/Socials***

Opening Session – ChampionsGate Room	5:00 PM – 7:00 PM
Guest Speaker: Greg Tang	

Friday, October 1, 2010

Registration – International Ballroom Foyer	7:00 AM – 2:00 PM
Hospitality – International Ballroom Foyer	7:00 AM – 2:00 PM
Sessions	8:00 AM – 5:30 PM
Vendors/Exhibitors – International Ballroom	8:00 AM – 4:30 PM

****Special Events/Socials***

Elections – International Ballroom Foyer	10:00 AM – 2:00 PM
--	--------------------

Party – Math, Music, and Munchies 6:30 PM – 10:00 PM

Live Music, Food, Beverages, Fun!

Knight Sounds Live band!

Saturday, October 2, 2010

Sessions	9:40 AM – 12:10 PM
Hospitality – International Ballroom Foyer	8:00 AM – 12:00 PM

****Special Events/Socials***

Closing Session – International Ballroom 1	
Breakfast (ticket required)	7:30 AM – 9:30 AM
Guest Speaker: Cathy Seeley	



2010 FCTM Award Recipients

Congratulations to the following recipients of Grants and Awards!

Kenneth P. Kidd Grant Recipients

Jacqueline Thomas-Baker	Roosevelt Elementary School West Palm Beach (Palm Beach County)
Dr. Ron Myers	Evergreen Elementary School Ocala (Marion County)

Tom Denmark Grant Recipients

Deeanna D. Golden	F.M. Golson Elementary School Marianna (Jackson County)
Linda J. White	Spruce Creek High School Port Orange (Volusia County)



Lichtenberg Pre-Service Educator Grant Recipients

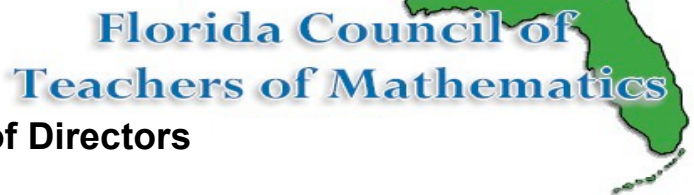
Amanda Dickinson	University of North Florida
Ashley Sopotnick	University of North Florida

Don Bernard Enhancement Grant

Cathy Erickson	Walton County School District Math Coach Niceville (Walton)
Dr. Ron Myers	Evergreen Elementary School Ocala (Marion)

For 2011 Grant applications visit www.fctm.net.





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Certification	Sharon Shrader	Sanford
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Membership	Diane Gard	Melbourne
Nominations	Denisse Thompson	Lutz
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Publications: <i>Additional Dimensions</i>	Lisa Shin	Lake Placid
Publications: <i>Dimensions</i>	Rick Austin	Tampa
Sponsorships	Carol Newman	Plantation
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Florida Council of Teachers of Mathematics

AFFILIATED WITH NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS



Kenneth P. Kidd Mathematics Educator of the Year Recipients

1976	Ms. Mary Nesbit	Miami
1977	Ms. Ruth Bower (deceased)	West Palm Beach
1978	Mr. George Rule	Orlando
1979	Mr. Baker Holman	Pensacola
1980	Ms. Mary Elizabeth Sullivan (deceased)	Miami
1981	Dr. Ernest Burgess	Boca Raton
1982	Ms. JoAnne Taber	Miami
1983	Dr. Arthur T. Minor	Palm Harbor
1984	Mr. Bill E. Jordan	Winter Park
1985	Mr. Richard deAguiro	Miami
1986	Mr. Herbert Johnson	Clearwater
1987	Mr. Lawrence R. Wantuck	Hollywood
1988	Dr. Betty Lichtenberg (deceased)	Temple Terrace
1989	Dr. Elroy Bolduc	Gainesville
1990	Dr. Douglas Brumbaugh (deceased)	Chuluota
1991	Dr. Tom Denmark	Tallahassee
1992	Dr. Donovan Lichtenberg (deceased)	Temple Terrace
1993	Dr. Charles Andy Reeves	St. Petersburg
1994	Ms. Renee Henry	Tallahassee
1995	Dr. Donald Bernard (deceased)	Gainesville
1996	Ms. Margaret Hackworth (deceased)	St. Petersburg
1997	Dr. Charles Aplin	Ft. Walton Beach
1998	Mr. Nickolas Walker	Milton
1999	Ms. Barbara Nunn	Ft. Lauderdale
2000	Ms. Suzie Davis	Largo
2001	Ms. Carol Newman	Ft. Lauderdale
2002	Mr. Roger O'Brien	Bartow
2003	Ms. Karen Swick	Lake Worth
2004	Dr. Denisse Thompson	Lutz
2005	Dr. Karol Yeatts	Winter Haven
2006	Mrs. Susan McNally	Fort Myers
2007	Mrs. Carol Martin	Lake City
2008	Mrs. Carole Halka	Pembroke Pines
2009	Mrs. Debbie Gillis	Okeechobee

The Mathematics Educator of the Year Kenneth P. Kidd Award was established in 1976 to recognize an individual's outstanding contributions to mathematics education. Mathematics educators are eligible for nomination if they meet the following criteria, as established by the FCTM Board of Directors:

1. The person shall have been actively involved in mathematics education in Florida for at least ten (10) years.
2. The person has been professionally active and has made a significant contribution at the local, state, and/or national level.

Nominations for next year's award are due by April 15, 2011.

For more information visit the FCTM website at www.fctm.net



Florida Council of Teachers of Mathematics

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FCTM Past Presidents

1948-1949	Ms. Mildred Mahood	1975-1976	Mr. Lawrence Wantuck
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1960-1961	Dr. Robert Kahn	1987-1988	Ms. Patsy Shearer
1961-1962	Ms. Jessie A. Bailey	1988-1989	Ms. Simone Hebert
1962-1963	Ms. Agnes Y. Rickey	1989-1991	Dr. Piyush Agrawal
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1969-1970	Mr. Louie Edwards	1997-1999	Ms. Gerry Greer
1970-1971	Dr. Tom Denmark	1999-2001	Dr. David Stout
1971-1972	Ms. Mary Larkin	2001-2003	Ms. Charlene Kincaid
1972-1973	Ms. Mary Margaret Odom	2003-2005	Dr. Karol Yeatts
1973-1974	Dr. Earnest Burgess	2005-2007	Ms. Nancy Kinard
1974-1975	Dr. Donovan R. Lichtenberg	2007-2009	Dr. Denisse Thompson

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Timothy Kenney

Mandarin Oaks Elementary School
Jacksonville (Duval County)

Deborah Perry

Poinciana Math/Science/Technology Magnet School
Boynton Beach (Palm Beach County)

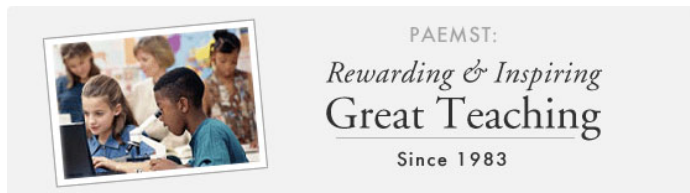


One of these outstanding teachers will be selected as the state winner and will receive a citation signed by the President of the United States, a paid trip for two to Washington, D.C., to attend a series of recognition events and professional development opportunities, and a \$10,000 award from the National Science Foundation.

On June 7, 2010, President Obama named 103 mathematics and science teachers as recipients of the prestigious Presidential Award for Excellence in Mathematics and Science Teaching.

"Science and technology have long been at the core of America's strength and success. And it is the responsibility of our educators to have led students reach the best of these critical subjects to life," said President Obama. "Today we honor some of the best of these teachers for their dedication. They are inspirations not just to their students, but to the Nation and the world."

Congratulations Michelle Voelker, Defuniak Springs 2009 National Presidential Awardee for Excellence in Mathematics Teaching!



<http://www.paemst.org>

The Presidential Awards for Excellence in Mathematics and Science Teaching are the Nation's highest honors for teachers of mathematics and science. The Awards recognize outstanding K-12 teachers for their contributions in the classroom and to their profession.

Since 1983, more than 4,000 teachers have been recognized for their contributions to mathematics and science education. If you know great teachers, nominate them to join this prestigious network of professionals.

Nominations for teachers of grades 7-12 will open in Fall 2010.

2010 FCTM Conference

Acknowledgements

The Florida Council of Teachers of Mathematics and the participating mathematics affiliates wish to thank the following people and companies for their support of the 58th Annual FCTM Conference.

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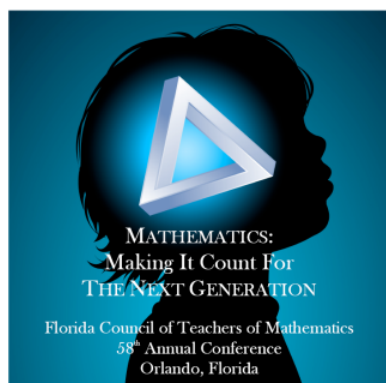
Pasco

Santa Rosa

Sarasota

Seminole

Volusia



Staff of the Omni Orlando Resort at Champions Gate

Thursday, September 30, 2010 8:00-9:10 am

The Algebra 1 End of Course

Room: Augusta A Levels: Middle/High
Barbara Nunn – Everglades K-12 Publishing

The content of the new Algebra 1 EOC exam will be discussed. Strategies for preparing students for the exam will be presented.

Session # 2

Math Works! Games, Puzzles and Diversions to Embellish State and National Standards

Room: Augusta B Levels: Elementary
John Hinton – Math Matter, Inc.

Develop your student's math skills using interesting and creative game formats. In this hands-on workshop teachers will become acquainted with games and puzzles which reinforce basic skills and concepts in number, numeration, geometry, algebra and probability. Teachers will make, take and use original and classic games which develop reasoning and problem solving skills as well as basic concepts.

Session # 3

Paving the Road to Calculus

Room: St. Andrews A Levels: High School
Andi Branson – Lake Mary High School

This presentation will trace the development of key concepts that are inherent to calculus. Experience with specific topics found in geometry, Alg II and Precalculus provide the groundwork for some calculus topics. Worksheets and activities will be included to aid teachers who will provide students with these strategies.

Session # 4

Breaking the Algebra Barrier – with Arithmetic

Room: St. Andrews B Levels: Middle Grades
Cheryl Jaffe – Northrop Gummman Electronic Systems

Why do the digits of a multiple of 9 always add to 9? And what does that have to do with algebra? Students often perceive algebra as being disconnected from their prior mathematical learning, yet nothing could be further from the truth. The algorithms for arithmetic operations are shortcuts for longer sequences of steps (proofs) that make sense, and the tools that help students understand those algorithms are the same tools that prepare students for success in Algebra.

Thursday, September 30, 2010 8:00-9:10 am

Session # 5

Unpacking Fewer Standards to Reach Greater Depth in the Primary Classroom

Room: Royal Dublin A Levels: Elementary

Gary Elkins – Volusia County Schools

Participants will experience the unpacking of standards related to Place Value in the primary classroom. Experience the importance of teaching to greater depth using hands-on tools and see how this comes together in the classroom.

Session # 6

Tier-iffic Math Solutions from Renaissance learning

Room: Royal Dublin B Levels: Middle Grades

Denise Lieberman – Renaissance learning, Inc.

Join us as we review a matrix of research-based Response to Intervention Math solutions for Tiers I-III. New reports in STAR Math, Math Facts in a Flash and Accelerated Math have received very favorable reviews from such esteemed organizations as The National Center for Response To Intervention (NCRTI) and National Center for Student Progress Monitoring.

Session # 7 Old School Meets New School: Making Bubbles and Using Dynamic Software with the Interactive White Board

Room: Royal Melbourne A Levels: Middle Grades

Deana Deichert – University of Central Florida

Participants will use both old school modeling and new school technology to solve a "shortest distance" problem. This slippery demonstration will utilize soap film to illustrate minimal surface area of 3D objects. Participants will use Geogebra and Interactive White Board technology to investigate minimal surface area. Discussion and suggestions on proper IWB usage will be highlighted throughout. Participants will also receive step by step information on how to create their own interactive white board using a wii remote and an infrared pen.

Session # 8

Beginning with the End in Mind for Middle School Math

Room: Royal Melbourne B Levels: Middle Grades

Gail Burton – Volusia County School District

Incorporating multiple strategies to teach middle school math concepts to greater depth and understanding (including the use of manipulatives and technology).

Thursday, September 30, 2010 8:00-9:10 am

Session # 9

Transformations in the Coordinate Plane with TI-Nspire Learning Handheld and TI-Nspire Navigator System

Room: Wentworth Levels: High School

Margaret Bambrick – Volusia County Schools

Participants will investigate a lesson on transformations in the coordinate plane using the TI-Nspire learning handheld. The presentation will include an activity which uses an Action/Consequence document to introduce the concepts. Throughout the presentation the TI-Nspire Navigator System will be used as a valuable tool to assess.

Session # 10

Letter, Number, and Words OH MY!

Room: Suite #267 Levels: Elementary

Rudy Azcuy – Teach N Kids Learn, Inc

Solving word problems is challenging for ELLs and non-ELLs alike. Participants will learn and practice specific strategies for helping both types of students master this complex area of mathematics.

Session # 11

Using Children's Literature to Reduce Math Anxiety in the Classroom

Room: Suite #245 Levels: Elementary

Taryn Souders – Sleeping Bear Press

Math educator and children's author, Taryn Souders, presents an interactive workshop addressing math anxiety and the research-based trend to "de-stress" mathematics through children's literature. This presentation will provide fun, easy to implement learning activities and is most helpful for teachers of K-3.

Session # 12

Diving Deeper into Differentiation using the Next Generation Standards

Room: Suite #241 Levels: Elementary

Victoria Pease – St. Lucie County School Board

Christina Worley, Kim Jay, Tari Sexton

The presentation will be an overview of a plan put together and delivered by the math coaches to the teachers in our district. We will be presenting the plan, models of instruction for teachers on the NGSSS and samples of student work. The models will include using backwards planning model, Differentiated Instruction, and the 5E Model to support student learning & enhance instruction for all students.

Thursday, September 30, 2010 9:25-10:35 am

Session # 13

Using Concept Based Lessons to Increase Student Success

Room: Augusta A Levels: Middle Grades
Julie Ann Whittington – National Training Network

Participants will receive strategies for use with struggling math learners, bridging from the concrete/pictorial to abstract through the use of hands-on, engaging activities students will love! Sample activities will be demonstrated and provided to participants.

Session # 14

Math Works! Games, Puzzles and Diversions to Embellish State and National Standards

Room: Augusta B Levels: Elementary
John Hinton – Math Matter, Inc.

Develop your students math skills using interesting and creative game formats. In this hands-on workshop teachers will become acquainted with games and puzzles which reinforce basic skills and concepts in number, numeration, geometry, algebra and probability. Teachers will make, take and use original and classic games which develop reasoning and problem solving skills as well as basic concepts.

Session # 15

Resuscitating the Mathematics Classroom

Room: St. Andrews A Levels: Middle Grades
Dana Boddy – University of West Florida

"Resuscitating the Mathematics Classroom" will focus on providing tips and resources for creating an engaging classroom based on research. Participants will also be provided with activities to reinforce mathematics concepts while igniting student interest and engagement.

Session # 16

Breaking the Algebra Barrier – with Arithmetic

Room: St. Andrews B Levels: Middle Grades
Cheryl Jaffe – Northrop Grumman Electronic Systems

Why do the digits of a multiple of 9 always add to 9? And what does that have to do with algebra? Students often perceive algebra as being disconnected from their prior mathematical learning, yet nothing could be further from the truth. The algorithms for arithmetic operations are shortcuts for longer sequences of steps (proofs) that make sense, and the tools that help students understand those algorithms are the same tools that prepare students for success in Algebra.

Thursday, September 30, 2010 9:25-10:35 am

Session # 17

Unpacking Fewer Standards to Reach Greater Depth in the Primary Classroom

Room: Royal Dublin A Levels: Elementary

Gary Elkins – Volusia County Schools

Participants will experience the unpacking of standards related to Place Value in the primary classroom. Experience the importance of teaching to greater depth using hands-on tools and see how this comes together in the classroom.

Session # 18

Dance to the Music – The Musicality of Mathematics

Room: Royal Dublin B Levels: High School

Chris Mackmin – Braden River High School

Linda Shepard – Braden River High School

This session will present an interdisciplinary unit that introduces high school algebra and geometry objectives linked to musical composition, musical instruments and dance. Those attending will experience the connection between math and music and receive a DVD of “classroom-ready” activities.

Session # 18

Old School meets new School: Making Bubbles and Using Dynamic Software with the Interactive White Board

Room: Royal Melbourne A Levels: Middle Grades

Deana Deichert – University of Central Florida

Participants will use both old school modeling and new school technology to solve a "shortest distance" problem. This slippery demonstration will utilize soap film to illustrate minimal surface area of 3D objects. Participants will use Geogebra and Interactive White Board technology to investigate minimal surface area. Discussion and suggestions on proper IWB usage will be highlighted throughout. Participants will also receive step by step information on how to create their own interactive white board using a wii remote and an infrared pen.

Session # 19

Fearless Teaching!

Room: Royal Melbourne B Levels: Middle/High

Jenny Ellis – Pam Beach Gardens High School

Craziness has happened in Florida Education in the last year. Are YOU ready to re-claim your classroom? Yes, you can! Each of us has the ability to re-design our classrooms and make great classroom experience for each and every one of our students in spite of obstacles! Here are well-defined, concrete, successful strategies to get yourself organized and your classes on track!

Thursday, September 30, 2010 9:25-10:35 am

Session # 20

Transformations in the Coordinate Plane with TI-Nspire Learning Handheld and TI-Nspire Navigator System

Room: Wentworth Levels: High School
Margaret Bambrick – Volusia County Schools

Participants will investigate a lesson on transformations in the coordinate plane using the TI-Nspire learning handheld. The presentation will include an activity which uses an Action/Consequence document to introduce the concepts. Throughout the presentation the TI-Nspire Navigator System will be used as a valuable tool to assess.

Session # 21

Algebra Prognosis Using Orlean-Hanna

Room: Suite #271 Levels: High School
Larry Hanken, PhD – Pearson Clinical Assessment

The Orleans-Hanna Algebra Prognosis Test III is designed to predict student success in first year algebra. This research-based prognosis is based not only on the 35-minute test but also with the weighting of prior grades in math, science, English and social studies.

Session # 22

Letter, Number, and Words OH MY!

Room: Suite #267 Levels: Elementary
Rudy Azcuy – Teach N Kids Learn, Inc

Solving word problems is challenging for ELLs and non-ELLS alike. Participants will learn and practice specific strategies for helping both types of students master this complex area of mathematics.

Session # 23

Activities for Financial Algebra

Room: Suite #249 Levels: High School
Susan Caldwell – Astronaut High School

We are targeting grades 10-12 with simulation activities relating the Algebra with Financial Applications course to the real world. These activities include things such as a real life financial game, an employment/career project, etc.

Thursday, September 30, 2010 9:25-10:35 am

Session # 24

Using Children's Literature to Reduce Math Anxiety in the Classroom

Room: Suite #245 Levels: Elementary

Taryn Souders – Sleeping Bear Press

Math educator and children's author, Taryn Souders, presents an interactive workshop addressing math anxiety and the research-based trend to "de-stress" mathematics through children's literature. This presentation will provide fun, easy to implement learning activities and is most helpful for teachers of K-3.

Session # 25

Cognitively Guided Instruction – How Did You Get That?

Room: Suite #241 Levels: Elementary

Michelle Flamming – ESSDACK

Join Michelle as she shares how districts have designed, implemented, and supported Cognitively Guided Instruction (CGI), a research-based math strategy. The philosophy of CGI will be shared, the two-year differentiated professional development plan, and student results. This session will include hands-on experiences, video samples, and student work.

Thursday, September 30, 2010 10:40-11:50 am

Session # 26

Extreme Makeover-Building Vocabulary Today

Room: Augusta A Levels: Middle Grades

Linda Cardwell – Lone Star Learning

Are you frustrated that your students don't know your content area vocabulary? Factors will be presented that effect vocabulary acquisition and different types of words we teach. Participants will engage in a variety of interactive strategies that will engage students and help them retain new curriculum area vocabulary in order to improve comprehension.

Session # 27

Real World Math: Engaging Students Through Global Issues

Room: Augusta B Levels: Middle Grades

Amy Spies – Facing the Future; Volusia County Schools

Bring engaging topics like microcredit, climate change, conservation, and sustainable design to math class. A hands-on session about using real world data to teach the foundational concepts of algebra and geometry through problem solving exercises similar to what students will encounter in their professional and personal lives. Receive a researched-based teacher's guide that supports the use of global issues content and themes to engage students.

Thursday, September 30, 2010 10:40-11:50 am

Session # 28

Breaking the Math Curse

Room: St. Andrews A Levels: Elementary

Brook Flood – Fellsmere Elementary School

Are your students struggling learning new concepts in your mathematics classroom? Do they feel like they are living "Breaking the Math Curse"? Let this interactive session showcase how to reenergize your mathematics classroom and insure that ALL of your students are meeting and exceeding the new standards. The Math Curse can be broken.

Session # 29

Discreet Math: Definitions and Explorations Elementary Through High School

Room: St. Andrews B Levels: All

Paige Allison – University of Florida, P.K. Yonge Developmental School

George Pringle – University of Florida, P.K. Yonge Developmental School

Definitions and working examples of discreet mathematics will be discussed along with examples of grade level appropriate instruction for elementary, middle, and high school.

Session # 30

Math Stations

Room: Royal Dublin A Levels: Middle Grades

Karen Wood – Seven Springs Middle School

I will share some of the most effective math stations from 2009-2010. I will also share my rationale for using stations, system of organization, and effective use of times with small group instruction.

Session # 31

Algebra for Everyone: Keep Students Engaged and Ensure Understanding

Room: Royal Dublin B Levels: High School

Sara Moore – ETA/Cuisenaire

As more and more students take Algebra 1, often earlier in their school careers, teachers face new challenges helping these students find success in mathematics. End of Course exams raise the stakes even higher. This session will share strategies for keeping students actively engaged in learning mathematics, connecting algebra to prior mathematical knowledge, and developing understanding through implementation of a manipulative-based learning cycle from concrete to representational to abstract.

Thursday, September 30, 2010 10:40-11:50 am

Session # 32

Geogebra In Action

Room: Royal Melbourne A Levels: High School

Daphne Harrison – Timber Creek High School
Dawn Feeney

Geogebra is technological tool that can be used to enhance learning of mathematical concepts. We will present the free program capabilities and samples of activities that have proven to heighten understanding.

Session # 33

FCTM Board Meeting

Room: Royal Melbourne B Levels: All

Session # 34

Reading and Writing in the Math Classroom

Room: Wentworth Levels: Middle/High

Susan Lee – Timber Creek High

Ophelia Powell – Timber Creek High

Teachers will engage in hands on activities to tie reading and writing into the math classroom. Graphing calculator activities will be included.

Session # 35

Making Metric Meaningful

Room: Suite #271 Levels: Elementary

Nancy Bourne – Beacon Cove Intermediate School

Jen Hataway – Beacon Cove Intermediate School

Get up, get moving, and go Metrics! Learn entertaining ways to show students that they already know some Metrics with out seeing a textbook, create centers to provide fun practice, and use the arts to make the Metric System something everyone can do well.

Session # 36

Two-Minute Activities to Improve Learning

Room: Suite #267 Levels: High School

Vicki A Lammie – Jupiter High School

How do you find the time in a class period to reteach, review, or reinforce learning? Come and learn some simple, practical and creative ways to differentiate instruction, reinforce concepts, analyze common errors, assimilate vocabulary, improve ability to solve real-world problems, practice social skills, and boost self-esteem... and it takes just two minutes a day!

Thursday, September 30, 2010 10:40-11:50 am

Session # 37

Activities for Financial Algebra

Room: Suite #249 Levels: High School

Susan Caldwell – Astronaut High School

We are targeting grades 10-12 with simulation activities relating the Algebra with Financial Applications course to the real world. These activities include things such as a real life financial game, an employment/career project, etc.

Session # 38

Nspiring Students to Analyze Systems of Linear Equations

Room: Suite #245 Levels: High School

Linda Tindall – Florida Virtual School and Texas Instruments

Participants will be presented with an activity using the TI-Nspire to help their students analyze and solve a word problem using systems of linear equations. Presenter will use TI-Nspire handhelds, software and TI-Nspire Navigator.

Session # 39

Cognitively Guided Instruction – How Did You Get That?

Room: Suite #241 Levels: Elementary

Michelle Flamming – ESSDACK

Join Michelle as she shares how districts have designed, implemented, and supported Cognitively Guided Instruction (CGI), a research-based math strategy. The philosophy of CGI will be shared, the two-year differentiated professional development plan, and student results. This session will include hands-on experiences, video samples, and student work.

Thursday, September 30, 2010 12:15-1:25 pm

Session # 40

Going Deeper and Having Fun!

Room: Augusta A Levels: Elementary

Jen Hataway – Beacon Cove Intermediate

Carol Martin – Fort White High School

Get out of your chair and DO MATH! Enjoy math for a change, and your students will too. Activities are geared towards differentiated instruction, informal assessments, and meaningful interactions between students.

Thursday, September 30, 2010 12:15-1:25 pm

Session # 41

Real World Math: Engaging Students Through Global Issues

Room: Augusta B Levels: Middle Grades

Amy Spies – Facing the Future; Volusia County Schools

Bring engaging topics like microcredit, climate change, conservation, and sustainable design to math class. A hands-on session about using real world data to teach the foundational concepts of algebra and geometry through problem solving exercises similar to what students will encounter in their professional and personal lives. Receive a researched-based teacher's guide that supports the use of global issues content and themes to engage students.

Session # 42

Fractions Without Distractions

Room: St. Andrews A Levels: Middle Grades

Sandra White – Lone Star Learning

Come learn easy, fun ways to eliminate "Fraction Phobia" from your classroom using mnemonic devices, number lines, tortillas & more! Walk away with tips & techniques to master fractions you'll wish someone had shared with you long ago! Leave with new ideas & activities that ensure fraction success for you & your students. Great door prizes & handouts!

Session # 43

Movin' With Math

Room: St. Andrews B Levels: Elementary

Pat Evans – Saxon HMN Publishers

Kinesthetic activities offer a variety in differentiated instruction and practice that supplement and enrich concepts being taught. This multi-sensory approach motivates, promotes mastery, requires few materials and provides immediate feedback. Kinesthetic activities for key math concepts will be presented and provided in this interactive workshop. Reference booklets will be provided for attendees.

Session # 44

Teaching Techniques Kids Don't Want You to Know

Room: Royal Dublin A Levels: Middle Grades

Ron Davis – Center for Teacher Effectiveness

Educators on average are losing 5-9 hours a week on lower-level discipline challenges. Low-level disruptions are stealing precious instructional time. Academics and discipline go hand in hand. You can be the best content instructor, but without the ability to control the classroom the best lessons remain undelivered. Participants will learn how to increase academics, decrease discipline challenges, gain parent support and empower all educators.

Thursday, September 30, 2010 12:15-1:25 pm

Session # 45

Algebra for Everyone: Keep Students Engaged and Ensure Understanding

Room: Royal Dublin B Levels: High School

Sara Moore – ETA/Cuisenaire

As more and more students take Algebra 1, often earlier in their school careers, teachers face new challenges helping these students find success in mathematics. End of Course exams raise the stakes even higher. This session will share strategies for keeping students actively engaged in learning mathematics, connecting algebra to prior mathematical knowledge, and developing understanding through implementation of a manipulative-based learning cycle from concrete to representational to abstract.

Session # 46

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Room: Royal Melbourne A Levels: High School

Daphne Harrison – Timber Creek High School

Dawn Feeney

Geogebra is technological tool that can be used to enhance learning of mathematical concepts. We will present the free program capabilities and samples of activities that have proven to heighten understanding.

Session # 47

Next Generation “Hands On” Math

Room: Royal Melbourne B Levels: Elementary/Middle

Karen Simmons – The Bag Ladies

Cindy Guinn – The Bag Ladies

Join the Bag Ladies at this all new make-n-take workshop. Fill a portfolio with activities geared to apply the standards in a fun, creative, visual-motivational, all new way!

Session # 48

Pi – The Endless Number with Endless Activities

Room: Wentworth Levels: Elementary/Middle

Cecil Phibbs – Woodlands Middle School

Brianne Tuzzolino – AD Henderson FAU School

Participants will get several hands on activities to celebrate Pi Day and lessons related to introducing their students to the concept of Pi and it's relationships Handouts will be given as well as a make and take activity.

Session # 49

FCTM BUSINESS MEETING

Room: Suite #271 Levels: All

Thursday, September 30, 2010 12:15-1:25 pm

Session # 50

Two-Minute Activities to Improve Learning

Room: Suite #267 Levels: High School
Vicki A Lammie – Jupiter High School

How do you find the time in a class period to reteach, review, or reinforce learning? Come and learn some simple, practical and creative ways to differentiate instruction, reinforce concepts, analyze common errors, assimilate vocabulary, improve ability to solve real-world problems, practice social skills, and boost self-esteem... and it takes just two minutes a day!

Session # 51

Engaging the Tech Natives

Room: Suite #249 Levels: Middle Grades
Denise McDowell – Big Ideas Learning, LLC

This hands-on workshop takes the teacher into the world of the tech native. Discover ways to engage the tech natives and learn to communicate in their world. Using the language and tools of the tech native combined with the knowledge and experience of the classroom teacher, this workshop will help create classrooms that provide engaging learning experiences for our students.

Session # 52

Nspiring Students to Analyze Systems of Linear Equations

Room: Suite #245 Levels: High School
Linda Tindall – Florida Virtual School and Texas Instruments

Participants will be presented with an activity using the TI-Nspire to help their students analyze and solve a word problem using systems of linear equations. Presenter will use TI-Nspire handhelds, software and TI-Nspire Navigator.

Session # 53

Middle School kids Have a Lot to Say (Let's Get them Talking and Writing about Math)!

Room: Suite #241 Levels: Middle Grades
Michelle Voelker – Walton County

This presentation will include reading, writing, vocabulary, problem solving, strategies, and discussions appropriate for middle school.

Thursday, September 30, 2010 1:40-2:50 pm

Session # 54

Going Deeper and Having Fun!

Room: Augusta A Levels: Elementary
Jen Hataway – Beacon Cove Intermediate
Carol Martin – Fort White High School

Get out of your chair and DO MATH! Enjoy math for a change, and your students will too. Activities are geared towards differentiated instruction, informal assessments, and meaningful interactions between students.

Session # 55

Math Works! Games, Puzzles and Diversions to Embellish State and National Standards

Room: Augusta B Levels: Elementary
John Hinton – Math Matter, Inc.

Develop your student's math skills using interesting and creative game formats. In this hands-on workshop teachers will become acquainted with games and puzzles which reinforce basic skills and concepts in number, numeration, geometry, algebra and probability. Teachers will make, take and use original and classic games which develop reasoning and problem solving skills as well as basic concepts.

Session # 56

Using Games to Reinforce the Basic Facts

Room: St. Andrews A Levels: Elementary
Mary Kay Bacallao – Mercer University

Participants will learn about cooperative games that students can play as they practice their basic facts. Focusing on one operation at a time, students can work their way through addition, subtraction, multiplication, and division. The games were developed with research on how students learn and store facts in long term rather than short term memory. Beyond flash cards and video games, students will use executive control and reasoning as they work together to reinforce the basic facts.

Session # 57

Let Them Connect to Reach Them All!!...A Response to Intervention in Middle School Mathematics

Room: St. Andrews B Levels: Middle Grades
Rudy Neufeld – Neufeld Learning Systems Inc.

We will explore methods to "hook" students in Middle School with a wide range of abilities to deeper levels of understanding in mathematics. We will involve participants by working through many approaches involving hands-on activities, virtual manipulatives and computer activities. Participants will receive a CD and corresponding support materials so that all items discussed here can be used in your next class.

Thursday, September 30, 2010 1:40-2:50 pm

Session # 58

Financial Algebra: The Perfect Fit for your Advanced Algebra with Financial Applications Course

Room: Royal Dublin A Levels: High School
Rich Sgroi – Fox Lane High School

Financial Algebra is an algebra-based, technology-dependent, high school program that builds upon Algebra 1 and introduces selected topics from higher level mathematics courses in a developmentally appropriate way. The mathematical content is motivated by and integrated with units on banking, credit, insurance, budgeting, taxes, employment, investing and retirement planning. Research projects and field work are incorporated into the program.

Session # 59

Old School Meets New School: Making Bubbles and Using Dynamic Software with the Interactive White Board

Room: Royal Dublin B Levels: Middle Grades
Deana Deichert – University of Central Florida

Participants will use both old school modeling and new school technology to solve a "shortest distance" problem. This slippery demonstration will utilize soap film to illustrate minimal surface area of 3D objects. Participants will use Geogebra and Interactive White Board technology to investigate minimal surface area. Discussion and suggestions on proper IWB usage will be highlighted throughout. Participants will also receive step by step information on how to create their own interactive white board using a wii remote and an infrared pen.

Session # 60

Ascend Math by Destination Knowledge

Room: Royal Melbourne A Levels: All
Kristine Marsh – Destination Knowledge

Intensive math intervention for grades 4-Exit level that is aligned with FLSSS & NGSSS. Ascend is targeted at identifying individual student needs with up front and continuous assessment, prescriptive tutorials and powerful reporting tools – giving you a direct route to improved math performance. Ascend set itself apart from all others through an award-winning video teacher whose provides a one on one tutoring situation with worksheets, simulations, and practice problems.

Session # 61

Next Generation "Hands On" Math

Room: Royal Melbourne B Levels: Elementary/Middle
Karen Simmons – The Bag Ladies
Cindy Guinn – The Bag Ladies

Join the Bag Ladies at this all new make-n-take workshop. Fill a portfolio with activities geared to apply the standards in a fun, creative, visual-motivational, all new way!

Thursday, September 30, 2010 1:40-2:50 pm

Session # 62

Summer Math Camp: Fun Activities for Middle School

Room: Suite #271 Levels: Middle Grades

Annie Nery – West Shore Junior/Senior High School

Missy Henderson – West Shore Junior/Senior High School

West Shore Junior/Senior High School's Math Department has developed a summer enrichment program to introduce incoming seventh graders to hands-on, technology-based math activities. The presenters will share activities that middle school teachers can use to make learning math fun.

Session # 63

Letter, Number, and Words OH MY!

Room: Suite #267 Levels: Elementary

Rudy Azcuy – Teach N Kids Learn, Inc

Solving word problems is challenging for ELLs and non-ELLs alike. Participants will learn and practice specific strategies for helping both types of students master this complex area of mathematics.

Session # 64

Engaging the Tech Natives

Room: Suite #249 Levels: Middle Grades

Denise McDowell – Big Ideas Learning, LLC

This hands-on workshop takes the teacher into the world of the tech native. Discover ways to engage the tech natives and learn to communicate in their world. Using the language and tools of the tech native combined with the knowledge and experience of the classroom teacher, this workshop will help create classrooms that provide engaging learning experiences for our students.

Session # 65

Success in Geometry: What do Our Students Need?

Room: Suite #245 Levels: High School

Sara Moore – ETA/Cuisenaire

As we find ways to help students to succeed in Algebra 1, more and more are taking Geometry and may not be ready for success. Learn about the research behind success in geometry and strategies you can use to implement this research in your geometry class or geometry intervention program. We will focus on hands-on resources and lessons which encourage students to think geometrically.

Thursday, September 30, 2010 1:40-2:50 pm

Sessions: #66

Middle School kids Have a Lot to Say (Let's Get them Talking and Writing about Math)!

Room: Suite #241 Levels: Middle Grades

Michelle Voelker – Walton County

This presentation will include reading, writing, vocabulary, problem solving, strategies, and discussions appropriate for middle school.

Thursday, September 30, 2010 3:05-4:15 pm

Sessions: #67

Universal Design for Learning and Differentiating Mathematics Instruction for Inclusive Environments

Room: Augusta A Levels: Middle Grades

Jessica Hunt – University of Central Florida

Learn how to provide effective instruction and practice for all learners in inclusive settings using process, content, and product differentiation, learning supports, and task modifications. The speaker will illustrate and discuss examples using the concept of math stations. Ideas will be based on instruction and practice of fractions and ratios.

Sessions: #68

Math Works! Games, Puzzles and Diversions to Embellish State and National Standards

Room: Augusta B Levels: Elementary

John Hinton – Math Matter, Inc.

Develop your student's math skills using interesting and creative game formats. In this hands-on workshop teachers will become acquainted with games and puzzles which reinforce basic skills and concepts in number, numeration, geometry, algebra and probability. Teachers will make, take and use original and classic games which develop reasoning and problem solving skills as well as basic concepts.

Sessions: #69

Quadrilateral Pieces: A Geometry Puzzle for Reasoning and Spatial Sense

Room: St. Andrews A Levels: Elementary

Mary Kay Bacallao – Mercer University

Use a new geometry puzzle: Quadrilateral Pieces. Unique shapes enable attendees to problem solve, enhance vocabulary, and develop spatial sense. Supporting brain research and hands-on use of the actual puzzle pieces will challenge each participant as they engage in novel problem solving and use geometry vocabulary while exploring with puzzles.

Thursday, September 30, 2010 3:05-4:15 pm

Sessions: #70

Let Them Connect to Reach Them All!!!...A Response to Intervention in Middle School Mathematics

Room: St. Andrews B Levels: Middle Grades
Rudy Neufeld – Neufeld Learning Systems Inc.

We will explore methods to “hook” students in Middle School with a wide range of abilities to deeper levels of understanding in mathematics. We will involve participants by working through many approaches involving hands-on activities, virtual manipulatives and computer activities. Participants will receive a CD and corresponding support materials so that all items discussed here can be used in your next class.

Sessions: #71

A Journey into Alternative Algorithms for Addition and Subtraction

Room: Royal Dublin A Levels: Elementary
Cindie Donahue – Pasco County Schools
Misty McClain

What do invented or alternate algorithms for addition and subtraction look like with elementary students? Attend this presentation to gain knowledge of specific alternate algorithms for addition and subtraction, practice solving addition and subtraction problems using a variety of algorithms, and develop classroom practice that will allow your students to self select and apply algorithms based on understanding and explanation. Come learn, explore, and be stretched!

Sessions: #72

Old School Meets New School: Making Bubbles and Using Dynamic Software with the Interactive White Board

Room: Royal Dublin B Levels: Middle Grades
Deana Deichert – University of Central Florida

Participants will use both old school modeling and new school technology to solve a "shortest distance" problem. This slippery demonstration will utilize soap film to illustrate minimal surface area of 3D objects. Participants will use Geogebra and Interactive White Board technology to investigate minimal surface area. Discussion and suggestions on proper IWB usage will be highlighted throughout. Participants will also receive step by step information on how to create their own interactive white board using a wii remote and an infrared pen.

Thursday, September 30, 2010 3:05-4:15 pm

Sessions # 73

Ascend Math by Destination Knowledge

Room: Royal Melbourne A Levels: All

Kristine Marsh – Destination Knowledge

Intensive math intervention for grades 4-Exit level that is aligned with FLSSS & NGSSS. Ascend is targeted at identifying individual student needs with up front and continuous assessment, prescriptive tutorials and powerful reporting tools – giving you a direct route to improved math performance. Ascend set itself apart from all others through an award-winning video teacher whose provides a one on one tutoring situation with worksheets, simulations, and practice problems.

Sessions # 74

Grants and Awards

Room: Royal Melbourne B Levels: All

Renee Henry – FCTM Board

Sessions # 75

Transforming Elementary Math Instruction for Every Brain

Room: Suite #271 Levels: All

Sara Murphy – MIND Research Institute, A Nonprofit Organization

This presentation will touch on the neuroscience research behind MIND's unique approach that accesses the brain's innate "spatial temporal" reasoning ability. ST Math K-5 was born from this research and will discuss this program's proven comprehensive, integrated instructional system that uses Spatial Temporal reasoning to engage and TRAIN students at any level.

Session # 76

Letter, Number, and Words OH MY!

Room: Suite #267 Levels: Elementary

Rudy Azcuy – Teach N Kids Learn, Inc

Solving word problems is challenging for ELLs and non-ELLs alike. Participants will learn and practice specific strategies for helping both types of students master this complex area of mathematics.

Session # 77

Math Galore! Going Over and Beyond to Excite Students About Math

Room: Suite #249 Levels: Elementary

Deeanna D. Golden – F.M. Golson Elementary School

Engage your students with fun math centers, literature and photography. Come discover ideas that will boost and build skills in a fun and exciting way.

Thursday, September 30, 2010 3:05-4:15 pm

Session # 78

Success in Geometry: What do Our Students Need?

Room: Suite #245 Levels: High School

Sara Moore – ETA/Cuisenaire

As we find ways to help students to succeed in Algebra 1, more and more are taking Geometry and may not be ready for success. Learn about the research behind success in geometry and strategies you can use to implement this research in your geometry class or geometry intervention program. We will focus on hands-on resources and lessons which encourage students to think geometrically.

Session # 79

The Art of Playing – How to Play With Our Students While Enhancing the 21st Century Life Skills

Room: Suite #241 Levels: Elementary

Dori Larea – Mind Lab

The Workshop empowers educators with tools to enhance children's thinking skills and life skills, using a series of Internationally-acclaimed strategy games. Mind Lab has developed a unique approach that fills the gap between school education and real life challenges by teaching students ages Pre K - 12th grade how to think rather than what to think.

Florida Schools are Closing the Achievement Gap & Making It Count for Students!

- After only 8 weeks on Ascend, Braden River MS reported a full year growth for 31% of their students and 2 years growth for 16% of their students using Ascend.
- Research-based
- Targeted instruction for each learner at his level.
- English & Spanish Supports.
- Multi-Sensory: Video, Guided Notes, Simulations
- Now Kinder - Exit!



Please Join Us for our Sessions:

Thursday, Sept. 30: Royal Melbourne A
1:40PM and 3:05PM

Friday, Oct. 1: Champions Gate
8:00 – 9:10AM

You could win Ascend for your school!

Proud Sponsor of the FCTM Committee Dinner

2010 Opening Session

Greg Tang - The Art of Smart

ChampionsGate Room

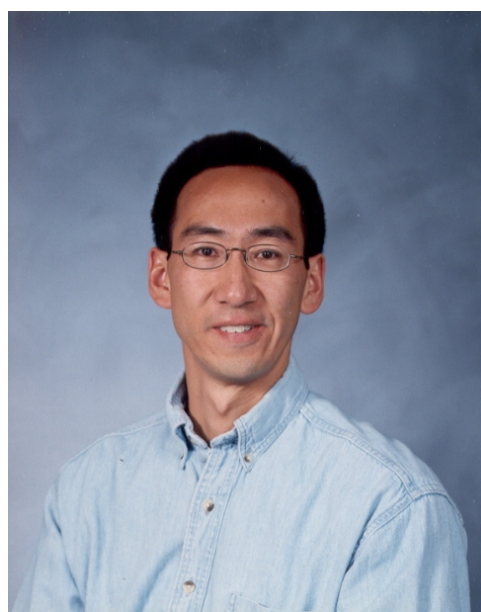
5:00 – 7:00 PM

What's the goal, to make kids great in computations or great in problem-solving? The answer is neither, the goal is to make them smart! Join Grapes of Math author Greg Tang as we explore a new teaching paradigm that develops algebraic thinking in even the youngest students.

Greg Tang is certified as a middle school and high school math teacher who began his business career at Pfizer in New York City. At Pfizer, he worked in both their Systems Department and Strategic Planning Group and served as the speech writer for the CEO. In 1989, he founded Technovations Inc., a multimedia and systems design company where he created TopPresenter™, a leading software product for the real estate industry. Today, Greg is working to develop a more intuitive approach to teaching math, one that combines problem-solving and arithmetic and integrates math with language and art.

Greg's first book, *The Grapes of Math*, was published in 2001, and since then he has written *Math For All Seasons*, *The Best of Times*, *Math Appeal*, *Math-terpieces*, *Math Fables*, *Math Potatoes*, and most recently, *Math Fables Too*.

Greg is author of *Go Fast, Go Far*, from Houghton Mifflin Harcourt, a mental math series. He has also created a line of teaching materials that includes flash cards, math games, and workbooks. Greg Tang earned his B.A. and M.A. degrees in Economics from Harvard, and later earned an M.A. degree in Math Education from New York University.



Greg Tang's presentation is
graciously sponsored by
Houghton Mifflin Harcourt
Publishing.



HOUGHTON MIFFLIN HARCOURT

Friday, October 1, 2010 8:00-9:10 am

Wolfram|Alpha, a computational website: What effects will it have in your classroom?

Room: Olympic A Levels: High School

Sarah Bleiler - University of South Florida

In this presentation, teachers will learn about the implications of Wolfram|Alpha, a computational website, on their instruction in the mathematics classroom. Unlike graphing calculators and computer algebra systems, Wolfram|Alpha provides a step-by-step outline of the processes needed to solve many different types of mathematics problems.

Session # 86

Finding Beauty in Alternative Algorithms

Room: Olympic B Levels: Elementary

Linda Walker – Mathematics Education Consultant

This presentation will allow teachers of all grade levels to share an exploration of a variety of alternative algorithms in use by the students of today and tomorrow. If there is beauty in a yellow hibiscus as well as a red or orange, is there beauty in an alternative algorithm used and understood by a student?

Session # 87

Symphony Math by Destination Knowledge

Room: ChampionsGate Levels: Elementary

Kristine Marsh – Destination Knowledge

Symphony Math is designed to help students in K-3 develop a strong mathematical foundation in terms of concepts and applications. The program provides an opportunity for young students to develop and practice important mathematical ideas.

Session # 88

Writing and Graphing Polynomial Equations

Room: Augusta A Levels: High School

Julie Wagner – Rockledge High School

Working in groups, participants will construct graphs of third and fourth degree polynomials using the description of the roots given. Using the graphs, they will write down the exact value of the roots and derive a polynomial equation with integer coefficients. The participants will then work backwards using the Rational Root Theorem to list the possible rational roots of their equation and then solve it hopefully getting the roots they originally started with.

Friday, October 1, 2010 8:00-9:10 am

Session # 89

Solving Algebra Word Problems with Dynamic Software "Geogebra"

Room: Augusta B Levels: High School
Sirin Coskin – University of Central Florida

Participants are presented with the algebra word problems prepared with the dynamic software "Geogebra." The possible methods of solutions and ways to improve visual understanding are discussed during the session.

Session # 90

Graphing Art Project

Room: Oakmont A Levels: High School
Cheryl Avila – University of Central Florida

This project uses art and student creativity to explore various types of mathematical functions. It also helps students understand the concepts of domain and range. The project can be easily tailored for Pre-Algebra, Algebra, Algebra 2, Pre-calculus and Trigonometry.

Session # 91

Math in the Real World Activities for Middle School

Room: St. Andrews A Levels: Middle Grades
Calethia Clemons – Roosevelt Middle School
Crystal Varnadore – Roosevelt Middle School

Fun activities inside and outside of the classroom that demonstrate real world applications of mathematical concepts.

Session # 92

Build It; Draw It; Write It; Talk It;...OWN IT!! Strategies to Engage and Empower Students and Teachers in K to 5 Math

Room: St. Andrews B Levels: Elementary
Rudy Neufeld – Neufeld Learning Systems
Wini Hagy – Neufeld Learning Systems

We will explore methods to "hook" students in K to 5 with different abilities to deeper understanding in mathematics. To meet these challenges effectively, teachers need a broad range of teaching strategies that integrate a variety of resources. Concepts shared will be from the K to 5 curriculum. Participants will receive CD and lessons so that all concepts shared and discussed in this session will be able to be used by the participant in their own class on Monday morning.

Friday, October 1, 2010 8:00-9:10 am

Session # 93

CPALMS Resource Reviewing Criteria and Process

Room: Royal Dublin A Levels: Elementary

Danielle Sheridan – Florida State University

Are you interested in becoming a CPALMS resource reviewer? CPALMS reviewers help teachers state-wide by ensuring CPALMS resources align with benchmarks, have accurate content, are easy to use, and use evidence-based teaching strategies. In this session, we will learn about and apply the CPALMS criteria used for reviewing resources.

Session # 94

CPALMS Standards, Courses, and Resource Information Systems, K-12

Room: Royal Dublin B Levels: Elementary

Rabieh Razzouk – Learning Systems Institute

Danielle Sheridan – Florida State University

In this overview, we will look at all that CPALMS has to offer, including Florida's Standards, Courses and Resource Information Systems. CPALMS is the official home of the most up-to-date information and tools for the Next Generation Sunshine State Standards.

Session # 95

Aiming at Intervention: Not Business as Usual

Room: Royal Melbourne A Levels: Middle/High School

Katie Diaz – WestEd

Pat Brzycki – It's About Time – Herff Jones Education Division

Aim at Intervention from a different angle and engage students in support curriculum. Learn about essential elements for algebraic intervention by examining a successful, conceptually based program that is standards-aligned and supports struggling students through modules that target common barriers to success in algebra and provides teachers support for each lesson.

Session # 96

Let's Look at Functions

Room: Royal Melbourne B Levels: High School

Marsha Guntharp – Palm Beach Atlantic University

We will use the TI-Nspire graphing handheld to explore functions, including linear, quadratic, exponential, and piecewise.

Friday, October 1, 2010 8:00-9:10 am

Session # 97

Instilling Habits of Mind in the Pre-AP Mathematics Classroom

Room: Wentworth Levels: Middle/High School

Andrea Sukow – The College Board

Many students are challenged to meet the demands of AP coursework and the expectations of AP teachers. In this session, participants will make connections between habits of mind and strategic learning. Participants will experience how SpringBoard Math uses contextual problems to encourage students in grades 6-12 to acquire behaviors for pursuing solutions when a single correct method may not be evident (habits of mind).

Session # 98

Rotations in a Math Classroom

Room: Suite #267 Levels: Middle Grades

Alissa Enschede – Oak Grove Middle School, Pinellas County Schools

The presentation will demonstrate how to take a classroom and turn it into a rotation classroom. The rotations allow for more topics to be covered and allows for more discovery learning. The rotations allow for a classroom of 25 students to become a two classrooms with about 13 students in each one. The presentation will provide ideas for the rotations.

Session # 99

Teach Without Teaching

Room: Suite #249 Levels: Middle Grades

Nicole Huebener – Ocoee Middle School/Renaissance Learning

Want a one stop shop in the math classroom? Every middle school math class should be equipped with Renaissance Learning, especially Accelerated Math in order to truly focus on individual student learning. In my presentation, I will demonstrate how Accelerated Math can be used to bridge the gap of academic learning. This one program challenges the over achiever in your class and provides interventions for the learners that are struggling. Not only do the students work at their own pace but the environment that Accelerated Math creates is one that promotes one on one attention from the teacher and peer tutoring.

Session #100

Using pictures in Geogebra with everyday context to support teaching and learning algebra

Room: Suite #245 Levels: High School

Didem Akyuz – University of Central Florida

This presentation includes different ways of incorporating pictures with everyday contexts in Geogebra environment. Multiple activities that were created with Geogebra including pictures related with Algebra will be presented. Come to learn how you can support deeper understanding of Algebra with pictures and technology.

Friday, October 1, 2010 8:00-9:10 am

Session #101

Developing Early Rational Number Sense

Room: Suite #241 Levels: Elementary

Jodi Slonaker – Teach N Kids Learn, Inc.

Rational numbers are a challenge for students of all ages. In this session participants will learn and practice specific strategies for dealing with common student misconceptions that develop at an early age.

Friday, October 1, 2010 9:25-10:35 am

Session # 102

Representations are the Key to Understanding

Room: Olympic A Levels: Elementary

Mary Kay Bacallao – Mercer University

Explore 4 new hands-on materials for elementary level math students as you discover what it means to develop understanding with innovative visual and tactile materials. Learn how to use these representational materials to develop mathematical thinking for the basic facts, measurement, geometry and concepts of number.

Session # 103

Using Concept Based Lessons to Increase Student Success

Room: Olympic B Levels: Middle Grades

Julie Ann Whittington – National Training Network

Participants will receive strategies for use with struggling math learners, bridging from the concrete/pictorial to abstract through the use of hands-on, engaging activities students will love! Sample activities will be demonstrated and provided to participants.

Session # 104

Let's GO! Using Graphic Organizers to Make Sense of Mathematical Misconceptions

Room: ChampionsGate Levels: Middle Grades

Beatrice Moore Luchin – Glencoe/McGraw-Hill Publishing

Learn how to use Graphic Organizers as an instructional and assessment strategy to target common math misconceptions in the middle grades.

Friday, October 1, 2010 9:25-10:35 am

Session # 105

Using Focus: Best Use Practices and NGSSS Updates

Room: Augusta A Levels: Grades 3-12

Leisa Pichard – Infinity Software Development Inc., on behalf of the Florida Department of Education

This presentation will include training in the use of reports, and class management and instructional tools on the Teachers' Desk feature of the Focus website. The presentation will also include an overview of recent updates to the content in the Focus and FCAT Explorer programs based on the Next Generation Sunshine State Standards.

Session # 106

Planning, Sharing, and organizing with Web 2.0 Tools

Room: Augusta B Levels: High School

Barbara Cavanah – Monroe County School District

Janet Meinke – Monroe County School District

Find out how to make the most of interactive online resources to help you plan activities, collaborate with students and colleagues, and get organized. This session will feature some of the presenter's favorite Web 2.0 tools for personal productivity. Resources shared in the session are applicable to teachers of any grade level.

Session # 107

Helping Teachers Reach the 'Tough to Teach' in Algebra

Room: Oakmont A Levels: High School

Larry Bradsby – Cambium Learning Voyager

The Orleans-Hanna Algebra Prognosis Test III is designed to predict student success in first year algebra. This research-based prognosis is based not only on the 35-minute test but also with the weighting of prior grades in math, science, English and social studies.

Session # 108

Developing Deep Understanding of Fraction Concepts

Room: St. Andrews A Levels: Elementary

Wendy Bray – University of Central Florida

This session will explore problem-solving tasks designed to help third and fourth grade students develop deep understanding of basic fraction concepts. Emphasis in the session will be given to implementing tasks in ways that build on children's natural ways of thinking, emphasize reasoning, and confront common misconceptions.

Friday, October 1, 2010 9:25-10:35 am

Session # 109

Build It; Draw It; Write It; Talk It;...OWN IT!! Strategies to Engage and Empower Students and Teachers in K to 5 Math

Room: St. Andrews B Levels: Elementary

Rudy Neufield – Neufield Learning Systems

Wini Hagy – Neufield Learning Systems

We will explore methods to “hook” students in K to 5 with different abilities to deeper understanding in mathematics. To meet these challenges effectively, teachers need a broad range of teaching strategies that integrate a variety of resources. Concepts shared will be from the K-5 curriculum. Participants will receive CD and lessons so that all concepts shared and discussed in this session will be able to be used by the participant in their own class on Monday morning.

Session # 110

CPALMS Resource Reviewing Criteria and Process

Room: Royal Dublin A Levels: Elementary

Danielle Sheridan – Florida State University

Are you interested in becoming a CPALMS resource reviewer? CPALMS reviewers help teachers state-wide by ensuring CPALMS resources align with benchmarks, have accurate content, are easy to use, and use evidence-based teaching strategies. In this session, we will learn about and apply the CPALMS criteria used for reviewing resources.

Session # 111

CPALMS Standards, Courses, and Resource Information Systems, K-12

Room: Royal Dublin B Levels: Elementary

Rabieh Razzouk – Learning Systems Institute

Danielle Sheridan – Florida State University

In this overview, we will look at all that CPALMS has to offer, including Florida’s Standards, Courses and Resource Information Systems. CPALMS is the official home of the most up-to-date information and tools for the Next Generation Sunshine State Standards.

Session # 112

Aiming at Intervention: Not Business as Usual

Room: Royal Melbourne A Levels: Middle/High School

Katie Diaz – WestEd

Pat Brzycki – It’s About Time – Herff Jones Education Division

Aim at Intervention from a different angle and engage students in support curriculum. Learn about essential elements for algebraic intervention by examining a successful, conceptually based program that is standards-aligned and supports struggling students through modules that target common barriers to success in algebra and provides teachers support for each lesson.

Friday, October 1, 2010 9:25-10:35 am

Session # 113

Using the Internet to Engage Students in Problem Solving

Room: Royal Melbourne B Levels: Middle Grades

Pam Guyton – OCPS/Lake Nona Middle School

Natailie Angelis

Middle School Teachers will be presented with very specific problem solving activities and techniques that are so engaging the students will love word problems! If your school has a computer lab or you have access to a wireless cart of laptops, this session will help you utilize technology in an very effective way!

Session # 114

Creative Math Instruction

Room: Wentworth Levels: Elementary

Dr. Ron Large – Larger Than Life, Inc

Attend this session and explore research-based strategies that will motivate students and improve math achievement. Participants will see highly effective and creative methods including hands-on activities, games, and music. Learn how to address different learning styles, increase student engagement and raise test scores.

Session # 115

Creating Highly Motivating Classrooms

Room: Suite #271 Levels: Middle Grades

Nancy Thiele – Big Ideas Learning, LLC

Learn to use hands-on discovery and in-depth performance tasks to motivate even the most reluctant learner. This workshop will help you to enrich your classroom with research-based strategies that are engaging and stimulating for students.

Session # 116

Rotations in a Math Classroom

Room: Suite #267 Levels: Middle Grades

Alissa Enschede – Oak Grove Middle School, Pinellas County Schools

The presentation will demonstrate how to take a classroom and turn it into a rotation classroom. The rotations allow for more topics to be covered and allows for more discovery learning. The rotations allow for a classroom of 25 students to become two classrooms with about 13 students in each one. The presentation will provide ideas for the rotations.

Friday, October 1, 2010 9:25-10:35 am

Session # 117

Teach Without Teaching

Room: Suite #249 Levels: Middle Grades

Nicole Huebener – Ocoee Middle School/Renaissance Learning

Want a one stop shop in the math classroom? Every middle school math class should be equipped with Renaissance Learning, especially Accelerated Math in order to truly focus on individual student learning. In my presentation, I will demonstrate how Accelerated Math can be used to bridge the gap of academic learning. This one program challenges the over achiever in your class and provides interventions for the learners that are struggling. Not only do the students work at their own pace but the environment that Accelerated Math creates is one that promotes one on one attention from the teacher and peer tutoring.

Session # 118

Model, record, Reflect: Connecting the Concrete to the Abstract for Visual and Kinesthetic Learners of Algebra

Room: Suite #245 Levels: High School

Cassandra Etgeton – University of North Florida

This session will explore ways of teaching algebraic concepts using teacher-made manipulatives and mats in order to reach students who are not abstract in their thinking processes. Participants will receive a CD of templates of workshop tools. Targets grades 7-12.

Session #119

Developing Early Rational Number Sense

Room: Suite #241 Levels: Elementary

Jodi Slonaker – Teach N Kids Learn, Inc.

Rational numbers are a challenge for students of all ages. In this session participants will learn and practice specific strategies for dealing with common student misconceptions that develop at an early age.

Friday, October 1, 2010 10:50-12:00 am

Session # 120

Using Concept Based Lessons to Increase Student Success

Room: Olympic A Levels: Middle Grades

Julie Ann Whittington – National Training Network

Participants will receive strategies for use with struggling math learners, bridging from the concrete/pictorial to abstract through the use of hands-on, engaging activities students will love! Sample activities will be demonstrated and provided to participants.

Friday, October 1, 2010 10:50-12:00 am

Session # 121

Developing Numeracy with Early Learners Through Play

Room: Olympic B Levels: Elementary

Mary Kay Bacallao – Mercer University

This session will focus on the development of concepts of number and counting. Participants will learn about how early learners can develop visual representations of the digits in our number system through playing with puzzles. Participants will learn about the stages that children go through as they learn to count. Concepts of our base 10 number system will be presented as we celebrate the importance of the number 10 for early learners.

Session # 122

Let's GO! Using Graphic Organizers to Make Sense of Mathematical Misconceptions

Room: ChampionsGate Levels: Middle Grades

Beatrice Moore Luchin – Glencoe/McGraw-Hill Publishing

Learn how to use Graphic Organizers as an instructional and assessment strategy to target common math misconceptions in the middle grades.

Session # 123

Math K-3 Formative Assessment System for Florida's NGSSS

Room: Augusta A Levels: Elementary

Laura Lang – Florida State University

Robert Schoen – Florida State University

Are you looking for genuine formative assessment tasks designed specifically for Florida's NGSSS? Funded by the FL Department of Education, hundreds of tasks with accompanying rubrics have been developed and tested in Florida classrooms through this FCR-STEM project. These tasks are designed to provide teachers with information about their students' thinking that leads to effective individualized instruction. We will present preliminary results of their effectiveness and show you how to access, use, and contribute to improving these free resources.

Session # 124

Algebra 1 and Geometry End-of-Course Assessment

Room: Augusta B Levels: High School

Nancy Kinard – Test Development Center, Florida Department of Education

Steve Ash – Test Development Center, Florida Department of Education

The DOE Test Development Center will present the latest information on the Algebra 1 and Geometry End-of-Course Assessments. Information from the item specifications and sample test items will be shared.

Friday, October 1, 2010 10:50-12:00 am

Session # 125

Helping Teachers Reach the 'Tough to Teach' in Algebra

Room: Oakmont A Levels: High School

Larry Bradsby – Cambium Learning Voyager

The Orleans-Hanna Algebra Prognosis Test III is designed to predict student success in first year algebra. This research-based prognosis is based not only on the 35-minute test but also with the weighting of prior grades in math, science, English and social studies.

Session # 126

It's a MATH MOMENT: You can do it!

Room: St. Andrews A Levels: Elementary

Lynda Braxton – Grove Park Elementary School

Rudy Neufeld

We will present lessons which support conceptual development. Students will yearn for more and discover how to assimilate and work in many learning environments. After this presentation, the participant/teacher will become enlightened by the underlying expertise we all possess. Let the mathematician in you be the inspiration your students need to increase their performance in math. Participants will receive support material discussed in this session.

Session # 127

Teaching Graphing with Fun for Students and Teachers!

Room: St. Andrews B Levels: High School

Patricia Casey – Florida State University

Participants will work on a versatile, high interest graphing project with the TI-84 graphing calculator. They will leave with working knowledge and materials of how to program a calculator picture created by their students using functions chosen depending on student level. Project can be used with low to high performing students from Algebra to Pre-calculus.

Session # 128

Fabulous Five, Terrific Ten, Building Number Sense in the Primary Classroom

Room: Royal Dublin B Levels: Elementary

Lori Price – Mill Creek Elementary School, St. Johns County Schools

This hands on workshop will focus on building essential number sense in the primary classroom. Teachers will take part in activities that can be used in the immediately in the classroom. Student work samples and videos of students working will be presented as part of the workshop.

Friday, October 1, 2010 10:50-12:00 am

Session # 129

People Count: Math and Demography in the Year of the Census

Room: Royal Melbourne A Levels: Middle Grades

Yvonne Fonnett – Orlando County Public Schools

In this year of the decennial census, discover timely and innovative, hands-on activities for drawing connections between math and social studies. Middle school students will learn about U.S. demographic trends past and present while honing their skills in algebra, data analysis, problem solving, measurement and more. Free CD-ROM of activities!

Session # 130

Interactive Problem Solving Environment GeoGebra

Room: Royal Melbourne B Levels: High School

Erhan Selcuk Haciomeroglu – University of Central Florida

Participants will be engaged in the solution of problems appropriate for grades 9-12. Discussion of how to use problem solving strategies in the interactive environment of GeoGebra will be presented.

Session # 131

FAMTE MEETING

Room: Wentworth

Levels: All

Session # 132

Creating Highly Motivating Classrooms

Room: Suite #271 Levels: Middle Grades

Nancy Thiele – Big Ideas Learning, LLC

Learn to use hands-on discovery and in-depth performance tasks to motivate even the most reluctant learner. This workshop will help you to enrich your classroom with research-based strategies that are engaging and stimulating for students.

Friday, October 1, 2010 10:50-12:00 am

Session # 133

Misconceptions About Misconceptions: Assessment and Teaching Through Student Interviews

Room: Suite #267 Levels: Middle Grades
George McManus – Lawton Chiles Middle School
Pam Ferrante – Lawton Chiles Middle School

Teachers often use assessments to learn what misconceptions students hold about a concept. We propose using assessments as a way to understand students' conceptions (i.e., what they know, not just what they don't) for the purpose of making decisions about where to start instruction and how to adjust instruction throughout a unit. In particular, we use interviewing techniques as an alternative form of assessment and will describe this process and how it leads to deeper teacher knowledge about students' conceptions than does a paper-pencil test.

Session # 134

TI-Nspire 101

Room: Suite #249 Levels: High School
John Nygren – Dunedin High School

What do I do after I turn it on? Let's see what really is inside the calculator.

Session # 135

Model, record, Reflect: Connecting the Concrete to the Abstract for Visual and Kinesthetic Learners of Algebra

Room: Suite #245 Levels: High School
Cassandra Etgeton – University of North Florida

This session will explore ways of teaching algebraic concepts using teacher-made manipulatives and mats in order to reach students who are not abstract in their thinking processes. Participants will receive a CD of templates of workshop tools. Targets grades 7-12.

Session # 136

Teaching Geometry for Conceptual Understanding: Meeting the Challenges of Geometry for All and New Standards

Room: Suite #241 Levels: High School
Melanie Miller – Seminole County Schools
Margaret Bambrick

Participants will investigate a lesson on transformations in the coordinate plane using the TI-Nspire learning handheld. The presentation will include an activity which uses an Action/Consequence document to introduce the concepts. Throughout the presentation the TI-Nspire Navigator System will be used as a valuable tool to assess. (Grade 7-12 Benchmarks)

Friday, October 1, 2010 12:15-1:25 pm

Session # 137

FCAT 2.0 Update for Grades 6-8

Room: Olympic A Levels: Middles Grades

Linda Oaksford – Test Development Center, Florida Department of Education

Heather McKenzie – Test Development Center, Florida Department of Education

The DOE Test Development Center will present the latest information on FCAT 2.0 for grades 6-8. Information from the item specifications and sample test items will be shared.

Session # 138

The Depths of Algebra 1: Teaching for Conceptual Understanding

Room: Olympic B Levels: High School

Margaret Walker – Orange County Public Schools

Lisa Greco – School District of Osceola County

Participants will be provided with a glimpse of the power associated with the Next Generation Sunshine State Standards (NGSSS) for Algebra 1. As we explore different strategies used to facilitate learning in a mathematics classroom, participants will be able to construct their own vision for implementing the NGSSS in Algebra 1.

Session # 139

Mathematics Curriculum and Instruction Update From FLDOE

Room: ChampionsGate Levels: Elementary

Teresa Sweet – Florida Department of Education

A brief update on information related to Elementary (K-5) Mathematics Curriculum and Instruction will be provided from the Florida Department of Education. The update will be followed by a Question and Answer Session for the participants.

Session # 140

Using a Graphic Organizer to Promote Problem Solving Skills in a Mathematics Classroom

Room: Augusta A Levels: High School

Cassidy Fuller – Freedom High School

Amanda Hughes – Freedom High School

Problem-solving skills can be difficult to facilitate in an everyday classroom environment to students who are unfamiliar with the problem-solving process. We'd like to show you how to make this process easier through the use of a graphic organizer designed around Polya's four stages of problem solving. This graphic organizer makes it easier for students to visualize the problem and understand the metacognitive processes needed to become a successful problem solver within multiple mathematical content areas.

Friday, October 1, 2010 12:15-1:25 pm

Session # 141

An Ounce of Prevention is Worth a Pound of Intervention

Room: Oakmont A Levels: Elementary

Sandy Atkins – Creating AHAs

Join us for this interactive hands-on session in which we examine common misconceptions, pinpoint the disconnect, and determine the cause. Activities for plugging conceptual holes will be shared for immediate classroom use.

Session # 142

It's a MATH MOMENT: You can do it!

Room: St. Andrews A Levels: Elementary

Lynda Braxton – Grove Park Elementary School

Rudy Neufeld

We will present lessons which support conceptual development. Students will yearn for more and discover how to assimilate and work in many learning environments. After this presentation, the participant/teacher will become enlightened by the underlying expertise we all possess. Let the mathematician in you be the inspiration your students need to increase their performance in math. Participants will receive support material discussed in this session.

Session # 143

An Everyday Visual Look at Math

Room: St. Andrews B Levels: Elementary/Middle

Carol Crane – Author

Author Carol Crane (S is for Sunshine and Sunny Numbers) will show how to use Florida's geography, sea life and symbols to immerse into everyday math. Her presentations reflect the common observations that are used daily. A handout of the power-point presentation will be provided.

Session # 144

Place Value Strategies using Singapore Math Curriculum

Room: Royal Dublin A Levels: Elementary

Kathryn Desmond – MacFarlane Park School for International Studies

Using the Singapore Math materials, that easily replicated and samples downloadable; students learn a variety of steps to enable them to become proficient in building numbers and using expanded notation in place value.

Friday, October 1, 2010 12:15-1:25 pm

Session # 145

GeoGebra: A Geometric and Algebraic Open Source Tool

Room: Royal Dublin B Levels: Middle/High

Ana Escuder – Florida Atlantic University

GeoGebra is an application that combines dynamic geometry and dynamic algebraic representations, making it an excellent tool for visualizing, discovering and experimenting mathematical conceptions in your classroom while teaching with multiple representations. This presentation will provide you with information and materials needed to start using the software in your classroom.

Session # 146

Closing the Math Gap Before it Widens: Applying established RtI Principles to Improve Math Achievement

Room: Royal Melbourne A Levels: Elementary

Ellen Edmonds – Wireless Generation

Response to Intervention (RtI) is an early detection, prevention, and support system that identifies struggling students and assists them before they fall behind. Although many states have already begun to implement RtI in the area of reading, RtI initiatives for mathematics are relatively new. As early deficits in mathematics have enduring and devastating effects on later learning, early detection through ongoing formative assessment and systematic intervention must be a critical step toward addressing the national crisis in math achievement.

Session # 147

Developing Critical Thinking Skills Utilizing the TI-Nspire – Tracking the Eye Patterns of a Hurricane

Room: Royal Melbourne B Levels: Middle/High

Dr. William Hanna – Indian River County

The approach we use requires students to develop skills in data acquisition, tabulation, graphing, and analyzing – all of which ultimately lead to predication and invention. The dynamic nature of the TI-Nspire gives students who have limited previous knowledge of a powerful tool for modeling, exploring, and understanding complex situations, such as tracking the eye patterns of a hurricane.

Session # 148

Integrating STEM in the Mathematics Classroom

Room: Wentworth Levels: Middle Grades

Mercedes Sotillo – University of Central Florida

Jacqueline Rodriguez

This presentation will present experiences in designing a STEM summer program and how to apply the same techniques to integrate STEM in the classroom.

Friday, October 1, 2010 12:15-1:25 pm

Session # 149

Math 2.0 – Using Technology in the Secondary Math Classroom

Room: Suite #271 Levels: High School

Nancy Cross – Brevard Public Schools

Greg Cross – Brevard Public Schools

In this session we will demonstrate technology tools for implementing project-based learning in secondary math. Tools such as GeoGebra, Wordle, Glogster, and Prezi, all of which are free, will be featured along with classroom tested lessons and activities that utilize these technologies. The lessons will be targeted to Algebra 2 and Pre-Calculus courses, but the ideas are adaptable to virtually all levels of math.

Session # 150

Misconceptions About Misconceptions: Assessment and Teaching Through Student Interviews

Room: Suite #267 Levels: Middle Grades

George McManus – Lawton Chiles Middle School

Pam Ferrante – Lawton Chiles Middle School

Teachers often use assessments to learn what misconceptions students hold about a concept. We propose using assessments as a way to understand students' conceptions (i.e., what they know, not just what they don't) for the purpose of making decisions about where to start instruction and how to adjust instruction throughout a unit. In particular, we use interviewing techniques as an alternative form of assessment and will describe this process and how it leads to deeper teacher knowledge about students' conceptions than does a paper-pencil test.

Session # 151

Symphony Math, Supplemental Software for the Next Generation

Room: Suite #249 Levels: Elementary

Ken Hodges – Education Learning Systems, Inc

Eschewing a reliance on arbitrary memorization techniques, Symphony Math helps students at the K-6 levels gain a substantive understanding of fundamental processes and principles to help them adjust to more sophisticated problem solving. A web-enabled program with a visual and highly intuitive interface, it helps students understand at a conceptual level.

Session # 152

Meeting the Needs of All Students Through RtI

Room: Suite #245 Levels: Elementary

Christiana Robbins – University of Florida

This session focuses on implementing the Response to Intervention (RtI) process in mathematics classrooms from grades K-5.

Friday, October 1, 2010 12:15-1:25 pm

Session # 153

Teaching Geometry for Conceptual Understanding: Meeting the Challenges of Geometry for All and New Standards

Room: Suite #241 Levels: High School
Melanie Miller – Seminole County Schools
Margaret Bambrick

Participants will investigate a lesson on transformations in the coordinate plane using the TI-Nspire learning handheld. The presentation will include an activity which uses an Action/Consequence document to introduce the concepts. Throughout the presentation the TI-Nspire Navigator System will be used as a valuable tool to assess. (Grade 7-12 Benchmarks)

Friday, October 1, 2010 1:40-2:50 pm

Session # 154

FCAT 2.0 Update for Grades 3-5

Room: Olympic A Levels: Elementary
Heather McKenzie– Test Development Center, Florida Department of Education
Linda Oaksford – Test Development Center, Florida Department of Education

The DOE Test Development Center will present the latest information on FCAT 2.0 for grades 3-5. Information from the item specifications and sample test items will be shared.

Session # 155

An Army of Frogs and a Knot of Toads

Room: Olympic B Levels: Elementary
Karol Yeatts – Warner University

This interactive session reinforces a variety of mathematical and science concepts as children learn about frogs and toads. Search for toad's lost button, hop like a frog, chart how frogs and toads grow and change over time, count, add, and subtract an army of frogs and a knot of toads, and more.

Session # 156

Mathematics Curriculum and Instruction Update from FLDOE

Room: ChampionsGate Levels: Middle Grades
Teresa Sweet – Florida Department of Education

A brief update on information related to Middle School (6-8) Mathematics Curriculum and Instruction will be provided from the Florida Department of Education. The update will be followed by a Question and Answer Session for the participants.

Friday, October 1, 2010 1:40-2:50 pm

Session # 157

Learning by Listening to Students during Lesson Study

Room: Augusta A Levels: Elementary/Middle
Maria Fernandez – Florida International University

Presentation will discuss a lesson study experience and what a group of 4th and 5th grade teachers and mathematics educators learned through that experience about engaging students in problem solving and mathematical reasoning.

Session # 158

Going Around in Circles

Room: Augusta B Levels: High School
Vicki Schell – Pensacola State College
Mary Anne Petruska

Hands on activities to develop vocabulary and conceptual understanding of topics related to circles [circumference, area, pi, tangents, arcs, related angles, chords, etc.]. appropriate for grades 6-12.

Session # 159

Orange County Council of Teachers of Mathematics

Room: Oakmont A Levels: General
Natalie Angelis – OCPS/Lake Nona Middle School

This is an informational session for any Orange County mathematics teacher that wants information about the local mathematics council known as OCCTM. This session in help you understand what the local math council does for the teachers in Orange County and how you can be involved! All grade levels are invited! Come and learn about our mini-conference, math contests, Math Teacher of the Year, and more!

Session # 160

Developing Performance-based Assessments for the Elementary Classroom

Room: St. Andrews A Levels: Elementary
Amanda Bird – West DeFuniak Elementary School

The topic of discussion for this presentation will be the learning experiences and growth opportunities resulting from creating and administering performance-based assessments in the elementary math classroom. Audience members will hear how an instructional coach is working to accomplish the creation and implementation of performance-based assessment in an elementary school and the learning experiences that are taking place as a result of the execution of these tasks.

Friday, October 1, 2010 1:40-2:50 pm

Session # 161

What About Johnny? Activities for the Special Needs Child in the Regular Classroom

Room: St. Andrews B Levels: Elementary

Shirley Bradsby – Cambium Learning Sopris

Are you experiencing difficulty teaching computation to your students with special needs? Using the Next Generation Sunshine State Math Computation Standard, you will be actively involved with games and activities that develop concepts, then practice these concepts and apply them in problem solving ways. You will receive activities that you can use immediately in your classroom.

Session # 162

CPALMS Tools to Align and Design Resources for the NGSSS, K-12

Room: Royal Dublin A Levels: Middle Grades

Danielle Sheridan – Florida State University

Susan Cornwall, Rabieh Razzouk

We will use CPALMS' standards-based tools to align and create resources for the Next Generation Sunshine State Standards. Participants, feel free to bring your computers and internet access to get started right away.

Session # 163

Closing the Math Gap Before it Widens: Applying established RtI Principles to Improve Math Achievement

Room: Royal Melbourne A Levels: Elementary

Ellen Edmonds – Wireless Generation

Response to Intervention (RtI) is an early detection, prevention, and support system that identifies struggling students and assists them before they fall behind. Although many states have already begun to implement RtI in the area of reading, RtI initiatives for mathematics are relatively new. As early deficits in mathematics have enduring and devastating effects on later learning, early detection through ongoing formative assessment and systematic intervention must be a critical step toward addressing the national crisis in math achievement.

Session # 164

Developing Spatial Reasoning Skills Using Logic Polygons

Room: Royal Melbourne B Levels: Elementary

Tashana Howse – University of Central Florida

This session will focus on van Hiele's five phases of learning. The facilitators will engage the participants in a set of activities that can be used to enhance spatial reasoning among elementary students. The presentation is collaborative and designed for elementary teachers.

Friday, October 1, 2010 1:40-2:50 pm

Session # 165

Creative Math Instruction

Room: Wentworth Levels: Elementary

Dr. Ron Large – Larger Than Life, Inc

Attend this session and explore research-based strategies that will motivate students and improve math achievement. Participants will see highly effective and creative methods including hands-on activities, games, and music. Learn how to address different learning styles, increase student engagement and raise test scores.

Session # 166 Room: Suite #271 Levels: High School

Nancy Cross – Brevard Public Schools

Greg Cross – Brevard Public Schools

Math 2.0 – Using Technology in the Secondary Math Classroom

In this session we will demonstrate technology tools for implementing project-based learning in secondary math. Tools such as GeoGebra, Wordle, Glogster, and Prezi, all of which are free, will be featured along with classroom tested lessons and activities that utilize these technologies. The lessons will be targeted to Algebra 2 and Pre-Calculus courses, but the ideas are adaptable to virtually all levels of math.

Session # 167

The Math Curse: Fractions?

Room: Suite #267 Levels: Elementary

Chris Ruda – Teachers Teaching with Technology

Fractions? No Problem. Explore how the SMART Board™, manipulatives, literature, TI technology, and NGSSS can build conceptual understanding. Discover the Math Cure with hands-on experience! Take home ready-to-use lessons.

Session # 168

10 Days to Multiplication Mastery

Room: Suite #249 Levels: Elementary

Rich Stuart – Learning Wrap Ups, Inc.

Find out how to teach Multiplication in 10 Days utilizing the power of COMMUTATIVE properties and fun methods of practice.

Friday, October 1, 2010 1:40-2:50 pm

Session # 169

Exploring Exponentials and Logarithms in an AP Calculus Class

Room: Suite #245 Levels: High School

Lyn Orletsky – Titusville High School

Students need a deep understanding of functions in order to derive integrals and derivatives. Too often students memorized formulas with little understanding of what the formulas mean. Discover ways for students to explore the calculus of functions and their inverses visually, algebraically, verbally, and numerically using technology and cooperative learning. (Precalculus and Calculus).

Session # 170

Motivate Students to Learn Math by Differentiating

Room: Suite #241 Levels: High School

Lara Tran – Ocoee High School

A full action game board along with dry erase board and marker will provide a fun educational environment for students.

Friday, October 1, 2010 3:05-4:15 pm

Session # 171

Pre-Algebra, Algebra, and Geometry: What Does Literacy in the Content Area Look Like?

Room: Olympic B Levels: Middle Grades

Kristen Springfield – Markham Woods Middle School

This presentation is appropriate for any middle school or high school math teacher. Pre-algebra, algebra, and geometry lessons will be modeled using appropriate literacy strategies to familiarize teachers of mathematics with how they already use literacy skills and to help them better apply those skills so their students will make connections across the curriculum areas. Participants will receive a copy of each lesson presented.

Session # 172

Mathematics Curriculum and Instruction Update from FLDOE

Room: ChampionsGate Levels: High School

Teresa Sweet – Florida Department of Education

A brief update on information related to High School (9-12) Mathematics Curriculum and Instruction will be provided from the Florida Department of Education. The update will be followed by a Question and Answer Session for the participants.

Friday, October 1, 2010 3:05-4:15 pm

Session # 173

Writing in Math Class!

Room: Augusta A Levels: Elementary

Kelly Mahaffey – Volusia County Schools

Learning to communicate about math broadens students' knowledge. These communications provide valuable insight for the teacher. Writing and doing math both require students to gather, organize and clarify their thoughts. The NGSSS include problem solving and having students describe what they know at every grade level. Come do the write thing.

Session # 174

Communicating Mathematically: Vocabulary Instruction in Math Classrooms

Room: Augusta B Levels: Elementary

Mercedes Tichenor – Stetson University

Carol Corcoran – Stetson University

This session will discuss the importance of building mathematical vocabulary in elementary classrooms. Various hands-on activities, games, word walls, vocabulary logs, and concept webs will be shared in this very interactive session. Come and learn different strategies that will broaden students' mathematical vocabulary and allow them to become effective communicators in math.

Session # 175

Practice-Performance-Success

Room: Oakmont A Levels: Elementary

Cynthia Anderson – Suntext International

Successful math students are engaged in and take ownership of their learning process. Learn how the First In Math® Online Program, which is based on the 24® game, allows your students the freedom to make and correct mistakes and gives them the opportunity for "deep practice"

Session # 176

Trigonometry and Geogebra

Room: St. Andrews A Levels: High School

Zyad Bawatneh – University of Central Florida

GeoGebra is a powerful online learning tool that allows educators to show graphs and illustrations of trigonometric functions in a clear and accurate way. By seeing the variations of the functions and comparing and contrasting the different forms, students can gain a much more deeper understanding of the trigonometric functions rather than memorize the graphs and use only procedure skills to solve questions.

Friday, October 1, 2010 3:05-4:15 pm

Session # 177

What About Johnny? Activities for the Special Needs Child in the Regular Classroom

Room: St. Andrews B Levels: Elementary

Shirley Bradsby – Cambium Learning Sopris

Are you experiencing difficulty teaching computation to your students with special needs? Using the Next Generation Sunshine State Math Computation Standard, you will be actively involved with games and activities that develop concepts, then practice these concepts and apply them in problem solving ways. You will receive activities that you can use immediately in your classroom.

Session # 178

CPALMS Tools to Align and Design Resources for the NGSSS, K-12

Room: Royal Dublin A Levels: Middle Grades

Danielle Sheridan – Florida State University

Susan Cornwall, Rabieh Razzouk

We will use CPALMS' standards-based tools to align and create resources for the Next Generation Sunshine State Standards. Participants, feel free to bring your computers and internet access to get started right away.

Session #179

RED Hot Teaching on Purpose

Room: Royal Dublin B Levels: Middle Grades

Linda Cordes – Linda the Math Coach

Get tips, strategies, and take-home-and-use ideas for how to include Rigor, Engagement, and Differentiation in every math lesson. Finally, here's what you need in a nutshell to reach all your students and teach on purpose! All attendees are eligible for free enrollment in RED Hot Teaching Boot Camp for Math Teachers Mini-Course. This course is best suited for Middle and High School teachers.

Session #180

Algebra Alive!

Room: Royal Melbourne B Levels: Middle/High

Becky Jones – OCCTM, Orange County Council

Participants will engage in the use of two way counters and Algebra Tiles to see how to move students from the concrete into the abstract level. In depth activities though problem solving will be used.

Friday, October 1, 2010 3:05-4:15 pm

Session #181

Student Guided Math Centers that Align to State and National Standards

Room: Wentworth Levels: Elementary

Rich Stuart – Learning Wrap Ups, Inc

Self-Correcting Math Centers that support national standards and are easy to supervise from across the room.

Session #182

A Better Way to Learn Math

Room: Suite #271 Levels: Elementary

Richard Blum – Richard Blum and Associates

VM is a system of mathematics where students can solve math problems without the use of pencils, paper or calculators. I would like to share this exciting and very effective manner of teaching math.

Session #183

Pre-Algebra, Algebra, and Geometry: What Does Literacy in the Content Area Look Like?

Room: Suite #267 Levels: Middle Grades

Kristen Springfield – Markham Woods Middle School

This presentation is appropriate for any middle school or high school math teacher. Pre-algebra, algebra, and geometry lessons will be modeled using appropriate literacy strategies to familiarize teachers of mathematics with how they already use literacy skills and to help them better apply those skills so their students will make connections across the curriculum areas. Participants will receive a copy of each lesson presented.

Session #184

Rhythm & Hues: Teaching with the SMARTboard

Room: Suite #249 Levels: Elementary

Chris Ruda – Teachers Teaching with Technology

Discover how the SMART Board™, music, manipulatives, literature, TI technology, and NGSSS can build new understanding and make learning math fun! Experience hands-on activities! Take home ready-to-use lessons.

Session #185

The Value of Problem-Based Lessons

Room: Suite #245 Levels: Elementary

Deborah Perry – Poinciana Elementary School

Teaching students to use the process skills while delivering meaningful content instruction. This presentation will show working with a second grade class to problem solve, communicate, reason, and justify as they grapple with thinking about two-digit subtraction.

Friday, October 1, 2010 3:05-4:15 pm

Session #186

Motivate Students to Learn Math by Differentiating

Room: Suite #241 Levels: High School

Lara Tran – Ocoee High School

A full action game board along with dry erase board and marker will provide a fun educational environment for students.

Friday, October 1, 2010 4:30-5:40 pm

Session #187

Pre-Algebra, Algebra, and Geometry: What Does Literacy in the Content Area Look Like?

Room: Olympic B Levels: Middle Grades

Kristen Springfield – Markham Woods Middle School

This presentation is appropriate for any middle school or high school math teacher. Pre-algebra, algebra, and geometry lessons will be modeled using appropriate literacy strategies to familiarize teachers of mathematics with how they already use literacy skills and to help them better apply those skills so their students will make connections across the curriculum areas. Participants will receive a copy of each lesson presented.

Session #188

Supporting and Facilitating Students' Use of Multiple Representations by Using TI-Nspire

Room: ChampionsGate Levels: High School

Yaesmin Sert – University of Florida

This session will demonstrate how a .tns file can be created to support and facilitate students' use of multiple representations by using TI-Nspire. The .tns file, the student document, and the teacher document will be provided to teachers in this session. The topic of these documents is related to the application of rational equations.

Session #189

Exposing & Preparing Mathematics Teachers to Empower Students in Urban Communities

Room: Augusta A Levels: Middle Grades

Rhonda Williams – Duval County Public Schools

Teachers will learn how to inspire and encourage students in urban communities in the area of mathematics. Ideas will be given to enable teachers to create mathematical activities that inspire ALL students in the algebra classroom.

Friday, October 1, 2010 4:30-5:40 pm

Session #190

"Thinking Like a Mathematician"

Room: Augusta B Levels: Elementary
Carolyn Wilikins – Bayshore Elementary School

Are your students just not "thinking" in your mathematics classroom. This interactive session will demonstrate the power of language and thinking in your mathematics classroom.

Session #191

Teaching Probability and Statistics to Depth

Room: Oakmont A Levels: High School
Janet Andreasen – University of Central Florida

Participants will experience several activities which can assist in teaching probability and statistics deeply, particularly in 6th and 7th grade. Game simulations and non-routine problems will be explored for probability as well as examining understandings of central tendency beyond the definition and procedure.

Session #192

Sharing Great Activities or Lessons in Dimensions

Room: St. Andrews A Levels: All
Rick Austin – University of South Florida

We will share opportunities and tips for article submissions to Dimensions, the official FCTM journal.

Session #193

Dice Guys

Room: St. Andrews B Levels: Middle Grades
Brett Bryant – Carwise Middle School

These are not your usual dice games.

Session #194

RED Hot Teaching on Purpose

Room: Royal Dublin B Levels: Middle Grades
Linda Cordes – Linda the Math Coach

Get tips, strategies, and take-home-and-use ideas for how to include Rigor, Engagement, and Differentiation in every math lesson. Finally, here's what you need in a nutshell to reach all your students and teach on purpose! All attendees are eligible for free enrollment in RED Hot Teaching Boot Camp for Math Teachers Mini-Course. This course is best suited for Middle and High School teachers.

Friday, October 1, 2010 4:30-5:40 pm

Session #195

From Geo-boards to Geogebra: Activities to Bridge the Concrete to the Abstract in Geometry

Room: Royal Melbourne A Levels: Elementary

Joseph Furner – Florida Atlantic University

Carol Marinas – Barry University

This presentation will provide geometry activities for teachers of K-5 mathematics students for using geo-boards and then using Geogebra connecting the hands-on activities to the abstract concepts. Geogebra will develop a deeper understanding to geometric concepts in the K-5 level classrooms.

Session #196

Algebra 2??? FUN?????

Room: Royal Melbourne B Levels: High School

Linda Lebovitz – Viera High School

Learn some fun activities for this all-important class. Play games with logarithms, solve puzzles with conic sections, and much much more!!!

Session #197

Student Guided Math Centers that Align to State and National Standards

Room: Wentworth Levels: Elementary

Rich Stuart – Learning Wrap Ups, Inc

Self-Correcting Math Centers that support national standards and are easy to supervise from across the room.

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A Better Way to Learn Math

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Kristen Springfield – Markham Woods Middle School

This presentation is appropriate for any middle school or high school math teacher. Pre-algebra, algebra, and geometry lessons will be modeled using appropriate literacy strategies to familiarize teachers of mathematics with how they already use literacy skills and to help them better apply those skills so their students will make connections across the curriculum areas. Participants will receive a copy of each lesson presented.

Session #200

Using Online Simulations to Improve Conceptual Understanding in Math

Room: Suite #249 Levels: Elementary/Middle

Glenn Nakamura – Bartow High School

Learn how to use online simulations to help teachers take advantage of research-proven instructional strategies and help students of all ability levels develop conceptual understanding in math. Teachers can supplement and enhance instruction with powerful interactive visualizations of concepts.

Session #201

How to Use the Problem Solving-Response to Intervention Alternative

Room: Suite #245 Levels: Elementary

Enrique Ortiz – University of Central Florida

We will discuss and give examples of how the four-step Problem Solving and Response to Intervention (RtI) ideas may be used as decision-making tools in the elementary and middle school classrooms. In a three-tiered approach, RtI is used to provide effective assistance to children through early intervention, frequent progress measurement, and increasingly intensive research-based interventions. Specific cases will be discussed.

Session #202

Using Formulas by Seeing & Applying Formulas: Developing Visual Models using Investigations, Comics, and Animations

Room: Suite #241 Levels: Middle Grades

Linda Pond – AIMS Education Foundation

Visual models are powerful tools that help all students move past a memorization of formulas to understand how to apply them. Through guided hands-on explorations, students discover and make sense of conceptual understandings related to perimeter, area, and volume as they determine the effects of changing lengths.



**Math, Music, and Munchies! Party with the Knight Sounds
Live Band! Live Music, Food, Beverages, Fun! 6:30-10:00 PM in
International Ballroom III**

2010 Closing Session

What really counts for students' future? Three things every student needs to succeed in mathematics

International Ballroom 1

Breakfast (ticket required)

Saturday October 2nd, 7:30 AM – 9:30 AM

Guest Speaker: Cathy Seeley

We will look beyond the policies, the politics, and the 'next new thing' to get down to what matters in mathematics teaching. Focusing on the teaching essentials that sometimes get overshadowed by pressures to cover material and prepare for the test, we will think together about how to make this school year your best teaching year ever.



Cathy Seeley's presentation
was graciously sponsored by
Houghton Mifflin
Harcourt/Holt McDougal.

Cathy Seeley has worked for over 35 years in PK-12 education as a mathematics teacher, district mathematics coordinator, and state mathematics supervisor. From 1999 through 2001, she taught mathematics as a Peace Corps volunteer in Burkina Faso. Dr. Seeley is Past President of the National Council of Teachers of Mathematics and author of the 2009 book *Faster Isn't Smarter—Messages About Math, Teaching, and Learning in the 21st Century*. She is currently a senior fellow with the Charles A. Dana Center at the University of Texas.

Saturday, October 2, 2010 9:40-10:50 am

Session # 205

Reason Why, Don't Just Flip and Multiply

Room: Augusta A Level: Elementary

Jonathan Bostic – University of Florida

Gain content knowledge in a friendly atmosphere so that your instruction aligns with the new Sunshine State Standards! The goal of this presentation is for elementary and middle school teachers to gain conceptual understanding of operations with fractions. Participants will learn what is really happening when fractions are multiplied or divided. Participants' prior knowledge will be activated and then we will segue into learning about multiplying fractions through an activity.

Session # 206

Making Sense of Word Problems

Room: Augusta B Level: Elementary

Juli Dixon – University of Central Florida

With so many benchmarks focusing on contexts of problems, there is a clear need to focus on the types of problems students explore. This session focuses on analyzing and creating word problems with the purpose of meeting the intent of the grades K-5 NGSSS for Mathematics.

Session # 207

Playing with Place Value

Room: St. Andrews A Level: Elementary

Mary Anne Petruska – Pensacola of Mathematics

Hands-on activities addressing place value concepts. Activities will be appropriate for grades 1-4, addressing place value both with whole numbers and with decimals.

Session # 208

THE MATH PARTY: Learning Math Through Music and Dance

Room: St. Andrews B Level: All

Dr. Stephanie R. Pasley – Step By Step Expressions, Inc.

The MATH PARTY session encompasses songs, raps, chants, and movements that can be infused into your existing mathematics curriculum. In this electrifying session, you will sing, dance, and most importantly, learn. Aligned with the NCTM standards, the motivating, musical, mathematical repertoire includes age appropriate content for Pre-K through Grade 12.

Saturday, October 2, 2010 9:40-10:50 am

Session # 209

How Fast Do You Run? Using Technology to Develop Algebraic Reasoning

Room: Royal Dublin A Level: Middle Grades

George Roy – University of South Florida St. Petersburg

Participants will explore real world contexts using technology to develop middle school students' understanding algebraic problems.

Session # 210

Pi – The Endless Number with Endless Activities

Room: Royal Dublin B Levels: Elementary/Middle

Cecil Phibbs – Woodlands Middle School

Brianne Tuzzolino – AD Henderson FAU School

Participants will get several hands on activities to celebrate Pi Day and lessons related to introducing their students to the concept of Pi and it's relationships. Handouts will be given as well as a make and take activity.

Session # 211

Integrating Historical and Multicultural Activities Into the Secondary Mathematics Curriculum

Room: Royal Melbourne A Levels: High School

Anthony Piccolino – Palm Beach State College

This session will focus on activities that demonstrate how the history of mathematics can be utilized as a potent teaching tool and as a means to promote multiculturalism in the mathematics classroom. The activities will be appropriate for grades 7-12.

Session # 212

A Cognitive Analysis of Factoring: An APOS Theory Approach

Room: Royal Melbourne B Levels: High School

Onel Leon – Florida International University

Findings from a pilot study will be discussed that introduces participants' conceptions and misconceptions about factoring. Through the lens of APOS I will illustrate the different cognitive process used by pre-service and in-service teachers in the factoring process and show differences in successful and unsuccessful approaches. Teachers can find this useful in considering their students' factoring approaches.

Saturday, October 2, 2010 9:40-10:50 am

Session # 213

The Ratio Box: A Cure for the Proportionally-Challenged

Room: Wentworth Levels: Middle Grades

Nicholas Ewan – Houghton Mifflin Harcourt

Do your middle-school students struggle with proportions? If so, they need the ratio box! Learn how this flexible problem-solving tool can be used to solve a variety of math problems based on proportional relationships.

Session # 214

Why Does Multiplication Work the Way it Does? Is it Really Just Because the Teacher Said So?

Room: Suite #271 Levels: Elementary

Martha Ash – Palm Terrace Elementary School

In this session, we'll show how 4th grade teachers can develop their students' understanding of multi-digit multiplication, starting with manipulatives, working with the area model and partial products, and culminating with our standard algorithm. While the NGSSS that will be addressed are for 4th grade, intervention teachers in higher grades will also find the session is for them!

Session # 215

Questioning in the Math Classroom

Room: Suite #267 Levels: Middle Grades

Lisa Goldsmith – Big Ideas Learning, LLC

Learn to use questioning with confidence to allow for discussion and exchange of ideas. Encourage students to use thinking and reasoning to answer the “What ifs” in the math classroom.

Session # 216

Quantitative Reasoning: What is it and Why Should I Care?

Room: Suite #249 Levels: High School

Phillip Taylor – North Florida Community College

In the past decade, Quantitative Reasoning has been a growing trend in college mathematics. What is it, how is it changing mathematics in post-secondary institutions, and what are, or may be its effects and uses in K-12 schools? This session offers answers to these questions, as well as examples and discussion.

Saturday, October 2, 2010 9:40-10:50 am

Session # 217

Using the Empty Number Line

Room: Suite #245 Levels: Elementary

Cathy Erickson – Walton County School District

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Saturday, October 2, 2010 11:00-12:10 am

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Session # 222

Navigating Through Reasoning and Proof in Grades 9-12

Room: Royal Dublin A

Level: High School

Anthony Piccolino – Palm Beach State College

The presenter, a co-author of the NCTM Navigation resource book Navigating Through Reasoning and Proof in Grades 9-12, will engage participants in a selection of activities encompassing algebra, geometry, data analysis, and probability.

Session # 223

Algebra with Finance – BEYOND Consumer Math!!!

Room: Royal Dublin B

Level: High School

Linda Lebovitz – Viera High School

Learn how Brevard County teachers in Summer 2010 adapted Advanced Algebra with Financial Applications! Pacing chart and fun activities included!

Session # 224

Examining the Effect of Microteaching Lesson Study on Participant Content and Pedagogical Knowledge

Room: Royal Melbourne A

Level: All

Roxanne Molina – Florida International University

Leslie Nisbet

Microteaching Lesson Study (MLS) is a professional development process in which participants engage in a cycle of collaborative planning and lesson revision in conjunction with an outside expert. Participants may include practicing or pre-service teachers at all grade levels. Preliminary research findings involving elementary pre-service teachers enrolled in a mathematics methods course will be discussed.

Saturday, October 2, 2010 11:00-12:10 am

Session # 225

Using Online Simulations in the Mathematics Classroom

Room: Royal Melbourne B Level: Middle/High

Thom O'Brien – ExploreLearning

As technology becomes more and more of a factor in the classroom, how do we maximize our computer usage? Online simulations provide a perfect venue for allowing students to explore complex mathematics concepts, and deepen their content knowledge while freeing up the teacher to take on the roll of classroom facilitator.

Session # 226

The Ratio Box: A Cure for the Proportionally-Challenged

Room: Wentworth Levels: Middle Grades

Nicholas Ewan – Houghton Mifflin Harcourt

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Session # 228

NASA and Math Resources

Room: Suite #267 Levels: Middle Grades

Les Gold – NANA-Penn State University

This program will introduce participants to NASA resources and math activities. The Solar System will be the focus of both geometry and measuring activities. Free NASA materials will be distributed. These activities can be used from grade 3-11.

Saturday, October 2, 2010 11:00-12:10 am

Session # 229

The Bridge to Algebra: Opening the Gate to All Learners

Room: Suite #249 Levels: Elementary

Michelle Flaming – ESSDACK

Can elementary school children really do algebra? Absolutely! While the term “algebra” might be daunting, even the youngest students can readily understand this kind of math. The development of algebraic concepts has become a central focus of the NCTM math standards. Classroom teachers in elementary school must engage students in developmentally appropriate tasks that build the necessary foundation for understanding algebra.

Session # 230

HELP Math – Content Area Software for ESOL and Special Education

Room: Suite #245 Levels: Elementary

Geri Michelsen – ThirdWave Learning

This session will be a demonstration and discussion of a technology-based curriculum, using embedded Principles of Sheltered Instruction, which has been proven to increase both math and ELA achievement in ELL and Special Education learners. HELP Math for ELL is a web-based mathematics intervention designed to address the needs of students in grades 3-8 struggling to reach proficiency.

Session # 231

From Geo-boards to Geogebra: Activities to Bridge the Concrete to the Abstract in Geometry

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Joseph Furner – Florida Atlantic University

Carol Marinas – Barry University

This presentation will provide geometry activities for teachers of K-5 mathematics students for using geo-boards and then using Geogebra connecting the hands-on activities to the abstract concepts. Geogebra will develop a deeper understanding to geometric concepts in the K-5 level classrooms.

SAVE THE DATE
OCTOBER 13-15, 2011

2011 FCTM CONFERENCE

COME BACK TO JACKSONVILLE IN 2011!

MATHEMATICS? YES! FUN? DEFINITELY! OUT OF THE ORDINARY? ABSOLUTELY!
FASHION SHOW? MAYBE...

LOCATION: HYATT REGENCY JACKSONVILLE RIVERFRONT.

MORE INFORMATION COMING SOON AT WWW.FCTM.NET

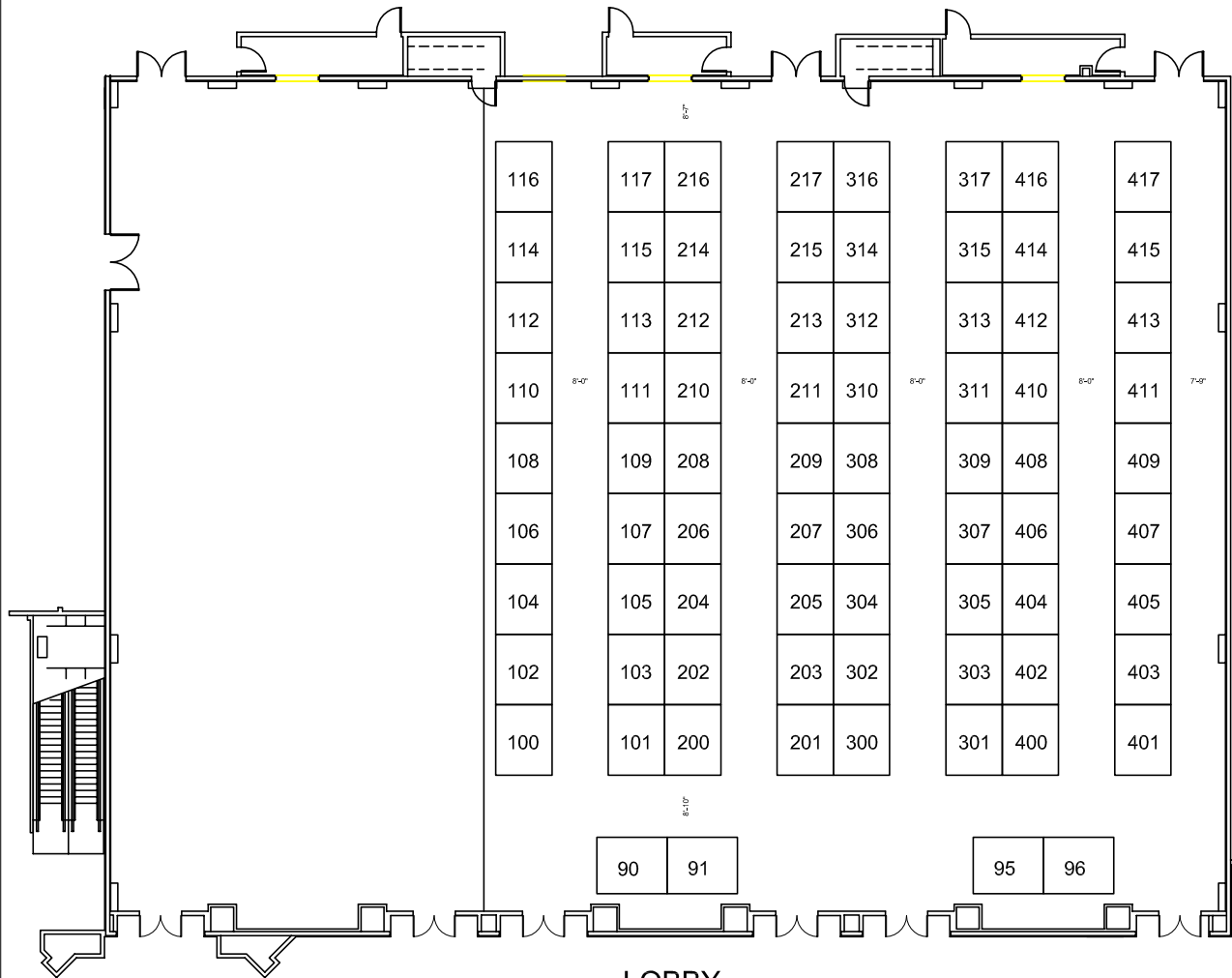


Omni Orlando Resort at ChampionsGate

ChampionsGate, FL

International Ballroom

September 30 - October 1, 2010



LOBBY

76 - 8x10 booths

Current plan as of 8.20.10



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EXHIBITOR DIRECTORY 2010

AIMS EDUCATION FOUNDATION

1595 S. Chestnut Avenue
Fresno, CA 93702
PHONE: 888-733-2467 Ext. 135
nradke@aimsedu.org
Linda Pond

AMERICA'S CHOICE

1919 M Street NW Suite 310
Washington, D.C. 20036
rlaundrie@americaschoice.org
Leslie Hendricks
Robert Laundrie

BEACON EDUCATOR

1311 Balboa Avenue
Panama City, FL 32401
PHONE: 850-873-7148
starlca@bay.k12.fl.us
Barbara Eubanks
Cathy Starling

BENCHMARK EDUCATION COMPANY

629 Fifth Avenue
Pelham, NY 10803
PHONE: 727-360-4525
susan@scholledfla.com
Ann Scholl
Sue Scholl

BIG IDEAS LEARNING, LLC

1762 Norcross Road
Erie, PA 16510
PHONE: 877-552-7766
kcummings@larsontexts.com
Lisa Goldsmith
Denise McDowell
Nancy Thiele

CAMBIUM LEARNING VOYAGER

1600 Valley View Lane
Dallas, TX 75234
PHONE: 888-399-1995
david.traviesa@voyagerlearning.com
Jean Correll
Lazaro Garcia
Jerri Norris
Archie Pazos
Rolando Rodriguez
David Traviesa

CARNEGIE LEARNING

437 Grant Street, Floor 20
Pittsburgh, PA 15219
PHONE: 412-690-2442
jweir@carnegielearning.com
Alaina Alessio
Reggie Revere
Jenny Weir

CASIO AMERICA, INC.

570 Mt. Pleasant Avenue
Dover, NJ 07801
PHONE: 973-361-5400 Ext. 4351
jgarlette@casio.com
Mary Jane Smith

CENGAGE LEARNING

4004 Bainwood Court
Tampa, FL 33614
PHONE: 813-316-8022
cindy.schurr@cengage.com
Gena Cofer
Cindy Schurr
Rich Sgroi

COMPUTER STATION OF ORLANDO INC.

3101 Maltby Drive
Deltona, FL 32738
PHONE: 407-332-9910
pat@csorlando.com
Magen McGahee
Lois Page
Patrick Walsh

CURRICULUM ASSOCIATES

153 Rangeway Road
N. Billerica, MA 01862
PHONE: 978-667-8000
Sharon DeMuth-Womble
Pat Garretson

DESTINATION KNOWLEDGE

354 Willow Lane
Ellenton, FL 34222
PHONE: 941-722-1926
kmarsh@destknow.com
Kristine Marsh
Christy Parkins
Cali Swango
Laurel Tucker

EAI EDUCATION

118 Bauer Drive
Oakland, NJ 07436
PHONE: 800-770-8010
btuzzeo@eaiusa.com
Barbara Tuzzeo

EDUCATIONAL LEARNING SYSTEMS, INC

2874 Remington Green Circle
Tallahassee, FL 32308
PHONE: 850-386-3708
brains@elsystems.com
Abe Hodges
Adam Hodges
Ken Hodges

EDUCATORS OUTLET, INC.

PO Box 397
Timnath, CO 80547
PHONE: 970-224-3811
blakeliley@educatorsoutlet.org
Gary Otto
Carole Tilley

ETA/COISENAIRE

500 Greenview Court
Vernon Hills, IL 60061
PHONE: 800-445-5985
jciborowski@etacuisenaire.com
Ralph Carson
Chad Martin
Glenn Meloni
Sara Moore

EVERGLADES K-12 PUBLISHING, INC.

2141 SW 28 Way
Fort Lauderdale, FL 33312
PHONE: 954-465-1889
kbechert@evergladesk12.com
Scott Anglemeyer
Kevin Bechert
Garey Braker
Barbara Nunn

ExploreLearning

PO Box 2185
Charlottesville, VA 22902
PHONE: 866-882-4141
sales@explorelarning.com

Arlene Fonda
Jason Kopish
Jane Owen
Rick Roegiers

FCAT TEST MAKER

4140 NW 27th Lane, #G
Gainesville, FL 32606
PHONE: 352-336-3780
<http://www.FCATTestMaker.com>
Laura Bresko
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Jonathan Smith

FIRST IN MATH-SUNTEX INTERNATIONAL

3311 Fox Hill Road
Easton, PA 18045
PHONE: 610-253-5255
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Cynthia Anderson

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FLORIDA ENGINEERING SOCIETY

125 S Gadsden Street
Tallahassee, FL 32301
PHONE: 850-224-7121
arichter@fleng.org
kray@fleng.org

FROG PUBLICATIONS

11820 Uradco Place, Suite 105
San Antonio, FL 33576-7139
PHONE: 800-777-3764
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EXHIBITOR DIRECTORY 2010

GREAT SOURCE RIGBY

STECK-VAUGHN

9400 South Park Center Loop
Orlando, FL 32819
PHONE: 407-345-3777
www.greatsource.com
Tony Ulintz
Beth Webb

HOLT McDUGAL

9400 South Park Center Loop
Orlando, FL 32819
PHONE: 407-345-3777
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Mary Devore
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Dan Parvu

HOUGHTON MIFFLIN HARCOURT

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Orlando, FL 32819
PHONE: 407-345-3777
www.hmhc.com
Michelle Gordon
Mindi Jones

HOUGHTON MIFFLIN HARCOURT— INTERVENTION IN LEARNING GROUP

181 Ballardvale Street
Wilmington, MA 01887
PHONE: 888-242-6747
bev.toler@hmhpub.com
Roberta Jones
Arlene Weissberg, M.Ed.

I SEE CARDS LLC

1155 Elm Street
Oviedo, FL 32765
PHONE: 407-620-3055
linda.eaglin@gmail.com
Linda Eaglin
Dean Monaco
John Santo

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Donna Fairhurst Gardner

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San Antonio, TX 78230
PHONE: 210-240-8524
schaskin@yahoo.com
Scott Chaskin

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Carson, CA 90895
PHONE: 800-421-5354
rmohl@lakeshorelearning.com
www.lakeshorelearning.com
Ron Mohl

LEARNING WRAP-UPS, INC.

1660 West Gordon Avenue #4
Layton, UT 84041
PHONE: 801-497-0050
rich@learningwrapups.com
Rich Stuart

LONE STAR LEARNING

PO Box 6606
Lubbock, TX 79493
PHONE: 806-281-1424
paula@lonestarlelearning.com
laren@lonestarlelearning.com
Linda Cardwell
Sandra White

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457 Rutland Street
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PHONE: 516-333-0717
mathgames@mathmattersinc.com
John Hinton

MATH TEACHERS PRESS, INC.

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Minneapolis, MN 55416
PHONE: 800-852-2435
Mary Dolph
Greg Miller
Caryl Pierson

McGRAW-HILL SCHOOL

EDUCATION GROUP

420 E. Danieldale Road, Suite 2
DeSoto, TX 75115
PHONE: 469-567-5922
se_reg@mcgraw-hill.com
Pamela Davis
Michael Gallagher
Megan Hartman
Cecilia Lopez
Ed Smith

McGRAW-HILL SCHOOL

EDUCATION GROUP— INTERVENTION & SUPPLEMENTAL

1333 Burr Ridge Parkway
Burr Ridge, IL 60527
www.mhsegsolutions.com
Deborah Guylor N FL
Dale Mester S FL
Sallie Patton C FL

MIND RESEARCH INSTITUTE

733 Wessex Place
Orlando, FL 32803
PHONE: 321-231-9085
smurphy@mindresearch.net
Sara Murphy

NASA/KSC EDUCATION

Mail Code XAD2
Kennedy Space Center, FL 32899
PHONE: 321-867-9136
annesly.i.wood@nasa.gov
Josh Santora
Annesly Wood

NASCO

901 Janesville Avenue
Fort Atkinson, WI 53538
PHONE: 920-563-2446
kolander@enasco.com
Rhonda Hutchison
Connie Kolander
Lyn Thormann

NATIONAL-LOUIS UNIVERSITY

4950 W. Kennedy Boulevard, Suite 300
Tampa, FL 33609
PHONE: 352-243-8290
claire.miller@nl.edu
Middalia Carpio
Claire Miller

NEFFO ENTERPRISES, LLC

PO Box 521374
Longwood, FL 32752
cindy@neffogames.com
Bob Neff
Cindy Neff

NEUFELD LEARNING SYSTEMS INC.

7 Conifer Crescent
London, Ontario N6K2V3 Canada
PHONE: 519-657-9334
rneufeld@neufeldmath.com
Jeremy Neufeld
Rudy Neufeld

NORTHPOINT HORIZONS

380 N. Fairway
Vernon Hills, IL 60061
PHONE: 866-466-7047
loramano@northpointhorizons.com
Maribel Ariano
David Cole
Sharon DeMuth
Rick South

PEARSON

4532 Old Carriage Trail
Oviedo, FL 32765
PHONE: 321-217-0911
steve.olson@pearson.com
Brian.rhodes@pearson.com
Steve Olson
Brian Rhodes

PENDA

940 Sweetwater Lane #404
Boca Raton, FL 33431
PHONE: 561-702-7413
lberman@pendalearning.com
Janet Balzano
Lori S. Berman

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Pittsburg, KS 66762
PHONE: 800-774-4552
jhemmenway@pitsco.com
Jack Hemenway

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Puyallup, WA 98373
PHONE: 877-794-9366
ralph.cramton@qwizdom.com
Ralph Cramton

RENAISSANCE LEARNING

6634 Dolphin Cove Drive
Apollo Beach, FL 33572
PHONE: 866-391-5328
denise.lieberman@renlearn.com
Denise Lieberman

ROSEN CLASSROOM

29 East 21 Street
New York, NY 10010
PHONE: 212-777-3017
jessicat@rosenpub.com
Ann Scholl
Sue Scholl
Valerie Silverman

SAXON/HMH PUBLISHING

181 Ballardvale Street
Wilmington, MA 01887
PHONE: 800-289-4490
Juliet Ashley
Kathy Jernigan

TEXAS INSTRUMENTS

PO Box 650311
Dallas, TX 75265
PHONE: 800-TI-CARES
ti-cares@ti.com
Dave Barron
Melissa Akey

THE BAG LADIES INC

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Boulevard
Stuart, FL 34996
PHONE: 772-781-2518
bladies123@aol.com
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THE COLLEGE BOARD

45 Columbus Avenue
New York, NY 10023
PHONE: 212-373-8000
Alex Chavarry
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120 E. Oakland Park Boulevard
Fort Lauderdale, FL 33334
PHONE: 888-630-9555
chloe@thirdwavelearning.com
Carolyn Johnson
Caroline McNair
Geri Michelsen

TOM SNYDER

PRODUCTIONS/SCHOLASTIC
100 Talcott Avenue
Watertown, MA 02472
PHONE: 617-600-2207
Brian Lighthiser
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TOOLS FOR TEACHING/DIDAX

174 Semoran Commerce Place
Suite A106
Apopka, FL 32703
PHONE: 407-889-9661
seltzerch@aol.com
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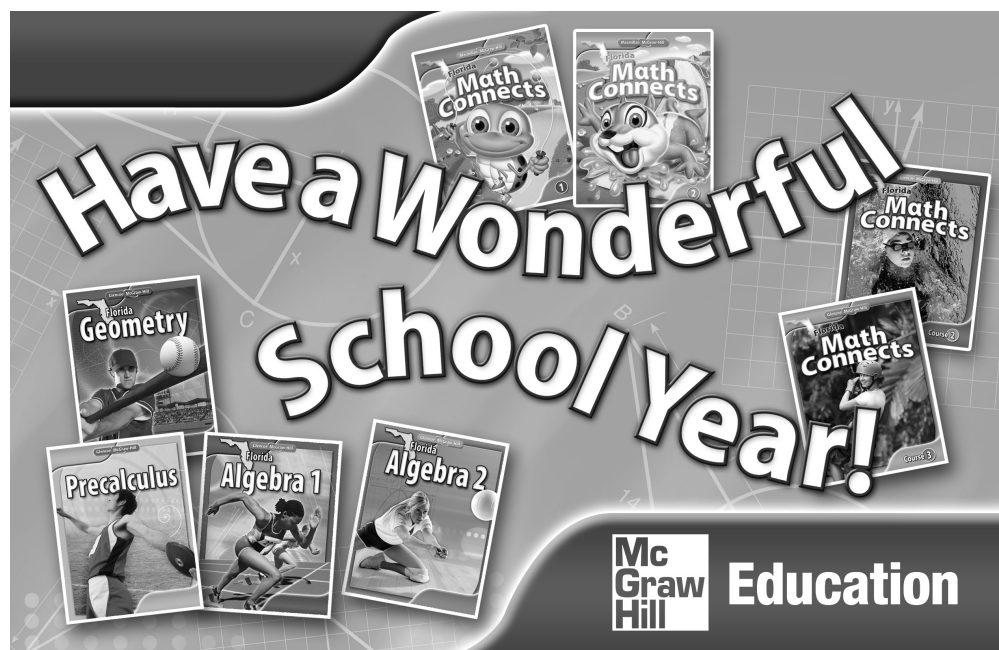
136 Madison Avenue, 7th Floor
New York, NY 10016
PHONE: 800-338-6519
customerservice@triumphlearning.com
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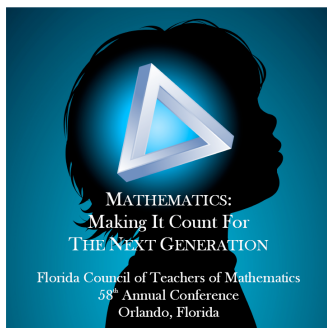
**WESTERN GOVERNORS
UNIVERSITY**

4001 S. 700 E, Suite. 700
Salt Lake City, UT 84107-2533
PHONE: 801-290-3636
jpink@wgu.edu
Mike Manning

WIRELESS GENERATION

55 Washington Street
Brooklyn, NY 11201
PHONE: 212-796-2364
agordon@wgen.net
Ellen Edmonds





Conference Agenda

58th FCTM Annual State Conference

September 30 – October 2, 2010

Omni Resort ChampionsGate

Orlando, Florida



Wednesday, September 29, 2010

Pipe and Drape – International Ballroom	12:00 PM – 4:00 PM
Vendor Check In – International Ballroom	4:00 PM – 8:00 PM
Vendor Set-Up – International Ballroom	4:00 PM – 8:00 PM
Registration – International Ballroom Foyer	4:00 PM – 9:00 PM
Hospitality – International Ballroom Foyer	4:00 PM – 9:00 PM

Thursday, September 30, 2010

Registration – International Ballroom Foyer	7:00 AM – 6:15 PM
Hospitality – International Ballroom Foyer	7:00 AM – 6:15 PM
Sessions	8:00 AM – 4:00 PM
Vendors/Exhibits – International Ballroom	9:00 AM – 5:00 PM
Vendors' Open House	4:00 PM – 5:00 PM
FCTM Business Meeting – Royal Melbourne B	10:50 AM – 12:00 PM

****Special Events/Socials***

Opening Session – ChampionsGate Room	5:00 PM – 7:00 PM
Guest Speaker: Greg Tang	

Friday, October 1, 2010

Registration – International Ballroom Foyer	7:00 AM – 2:00 PM
Hospitality – International Ballroom Foyer	7:00 AM – 2:00 PM
Sessions	8:00 AM – 5:30 PM
Vendors/Exhibitors – International Ballroom	8:00 AM – 4:30 PM

****Special Events/Socials***

Elections – International Ballroom Foyer	10:00 AM – 2:00 PM
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Party – Math, Music, and Munchies 6:30 PM – 10:00 PM

Live Music, Food, Beverages, Fun!

Knight Sounds Live band!

Saturday, October 2, 2010

Sessions	9:40 AM – 12:10 PM
Hospitality – International Ballroom Foyer	8:00 AM – 12:00 PM

****Special Events/Socials***

Closing Session – International Ballroom 1	
Breakfast (ticket required)	7:30 AM – 9:30 AM
Guest Speaker: Cathy Seeley	