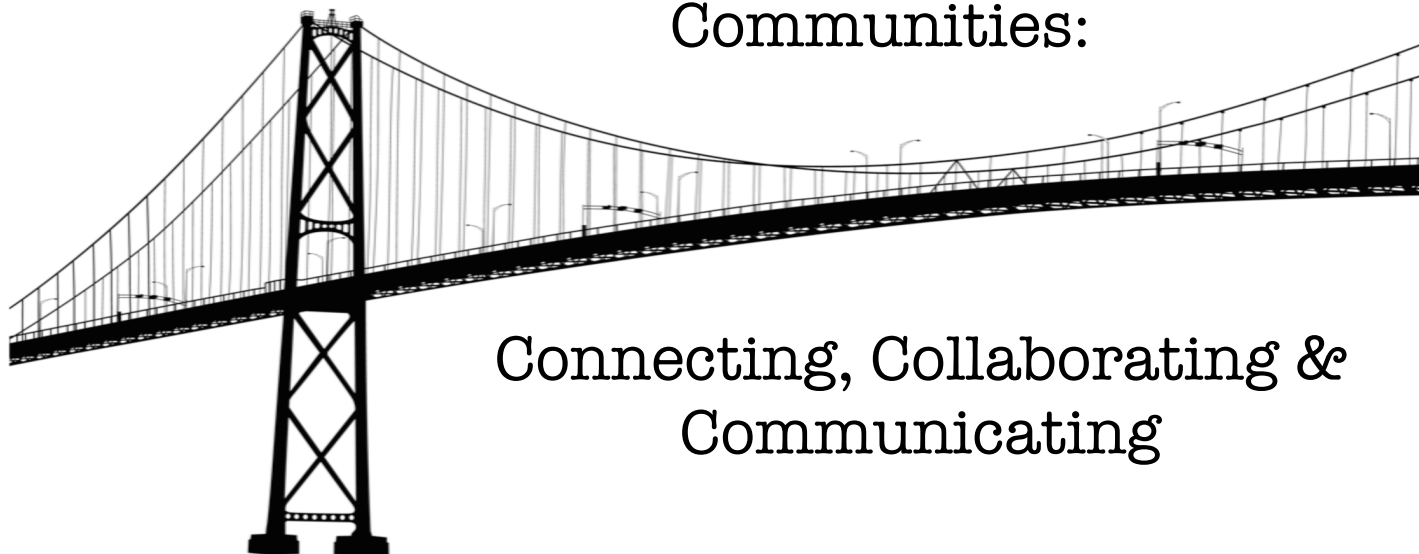


# The Florida Council of Teachers of Mathematics

Bridging Mathematical  
Communities:



Connecting, Collaborating &  
Communicating

## 59<sup>th</sup> Annual Conference

October 13 – 15, 2011

Jacksonville, Florida

Hyatt Regency Riverfront

Houghton Mifflin Harcourt

# On Core Mathematics

## Bridge the Gap with *On Core Mathematics*!

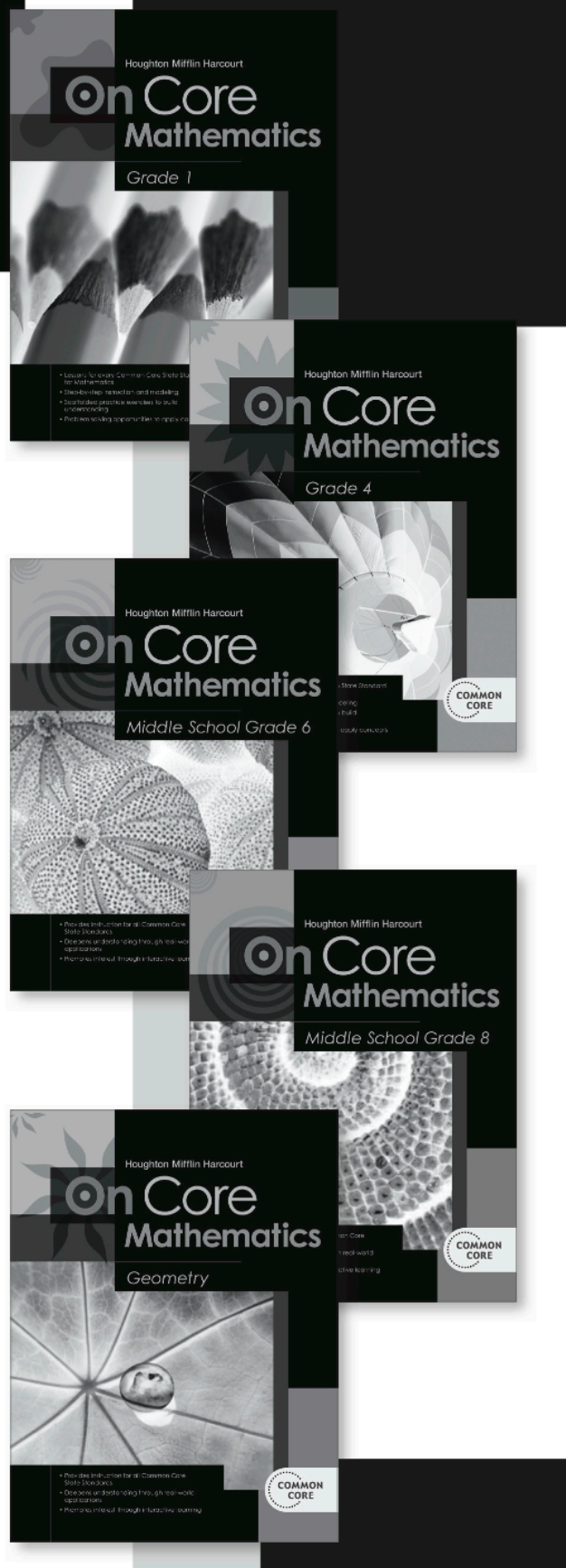
A cost-effective resource that deepens students' understanding through real-world applications, **Houghton Mifflin Harcourt *On Core Mathematics*** provides innovative instructional solutions for addressing the Common Core Curriculum and Standards for Mathematical Practice on a limited budget.

### *On Core Mathematics*:

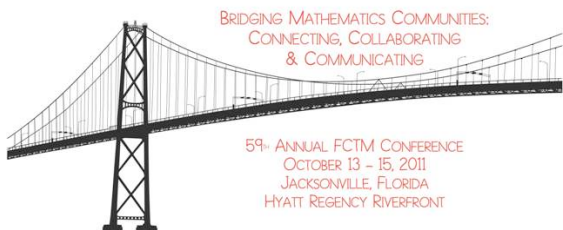
- Provides instruction for all Common Core State Standards
- Deepens understanding through real-world applications
- Features questioning strategies to prompt discussions
- Provides strategies for integrating the Standards for Mathematical Practice into daily instruction
- Offers alternatives for differentiating instruction

Discover how ***On Core Mathematics*** can supplement your existing program and provide the standards coverage you need. Contact your sales representative, call **800.225.5425**, or visit **hmeducation.com** for more information.

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HOUGHTON MIFFLIN HARCOURT



# Conference Agenda

## 59<sup>th</sup> FCTM Annual State Conference

### October 12-15, 2011

### Hyatt Regency Riverfront

### Jacksonville, Florida

#### **Wednesday, October 12, 2011**

Pipe and Drape – Conference Center A	12:00 PM – 4:00 PM
Vendor Check In – Conference Center A	4:00 PM – 6:00 PM
Vendor Set-Up – Conference Center A	4:00 PM – 8:00 PM
Registration – Sky Bridge 3 <sup>rd</sup> Floor	4:00 PM – 9:00 PM
Hospitality – Sky Bridge 3 <sup>rd</sup> Floor	4:00 PM – 9:00 PM

#### **Thursday, October 13, 2011**

Registration – Sky Bridge 3 <sup>rd</sup> Floor	7:00 AM – 5:00 PM
Hospitality – Sky Bridge 3 <sup>rd</sup> Floor	7:00 AM – 5:00 PM
Sessions	8:00 AM – 4:15 PM
Vendors/Exhibits – Conference Center A	8:00 AM – 5:00 PM
Vendors' Open House	3:00 PM – 5:00 PM

#### ***\*Special Event***

Opening Session – River Terrace 1	5:00 PM – 6:30 PM
Guest Speaker: Steve Leinwand	

#### **Friday, October 14, 2011**

Registration – Sky Bridge 3 <sup>rd</sup> Floor	7:00 AM – 2:00 PM
Hospitality – Sky Bridge 3 <sup>rd</sup> Floor	7:00 AM – 2:00 PM
Sessions	8:00 AM – 4:15 PM
Vendors/Exhibitors – Conference Center A	8:00 AM – 4:30 PM

#### ***\*Special Events***

Elections – Sky Bridge 3 <sup>rd</sup> Floor	10:00 AM – 2:00 PM
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### **Slice of $\pi$ Challenge**

4:30 PM – 6:00 PM

Check In and Starting Line: River Terrace 1

#### **Saturday, October 15, 2011**

Sessions	8:00 AM – 10:35 AM
Hospitality – Sky Bridge 3 <sup>rd</sup> Floor	8:00 AM – 11:00 AM

#### ***\*Special Events/Socials***

Closing Session – River Terrace 1	
Brunch (ticket required)	11:00 AM – 1:00 PM
Guest Speaker: Victoria Hart	

[www.fctm.net](http://www.fctm.net)



Welcome to the 59th Annual Conference of the Florida Council of Teachers of Mathematics!

**“Bridging Mathematics Communities: Connecting,  
Collaborating & Communicating.”**

The FCTM Board of Directors and the Duval Elementary Mathematics Council 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 2011 Conference Committee has worked long and hard this past year to bring you another outstanding conference. They have planned over 200 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 3:00 PM – 5:00 PM followed by the Opening Session from 5:00 PM to 6:30 PM. This special opening session will feature Steve Leinwand as our keynote speaker at the Opening Session
- **Slice of  $\pi$  Challenge** on Friday at 4:30 pm (River Terrace 1)
- And, of course, our Closing Brunch Session (ticketed event) featuring Victoria Hart on Saturday at 11:00 am.

We invite all participants to attend the FCTM Annual Business Meeting on Thursday afternoon from 1:40 – 2:50 PM in City Terrace 12. 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 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, 2011.

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

# **2011 Florida Finalists Presidential Award for Excellence in Mathematics and Science Teaching Congratulations!**

Joan O'Brien

Indian Ridge Middle School  
Broward County

Kathleen Jones

Surfside Middle School  
Bay County

Lynn Orletsky

Titusville High School  
Brevard



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.



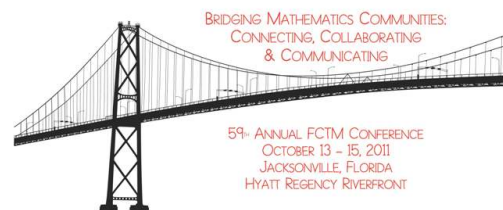
**The Presidential Awards for Excellence in Mathematics and Science Teaching** are the Nation's highest honors for teachers of mathematics and science. The Awards recognize outstanding K-12 teachers for their contributions in the classroom and to their profession.

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 K-6 will open in Fall 2011 and can be accessed at <http://www.paemst.org>

**Congratulations Timothy Kenney!  
Mandarin Oaks Elementary School, Duval County  
2010 National Presidential Awardee for Excellence in  
Mathematics Teaching!**

# My Conference Schedule



**Thursday, October 13, 2011**

Time	Session #	Title of Presentation	Location
3:00-5:00		Vendors' Open House	Conference Center A
5:00-6:30		Opening Session - Steve Leinwand	River Terrace 1

**Friday, October 14, 2011**

Time	Session #	Title of Presentation	Location
10:00-2:00		Elections - VOTE	Sky Bridge 3 <sup>rd</sup> Floor
4:30 - 6:00		Slice of $\pi$ Challenge	River Terrace 1

**Saturday, October 15, 2011**

Time	Session #	Title of Presentation	Location
11:00 - 1:00		Closing Session/Brunch - Victoria Hart Ticket required	River Terrace 1



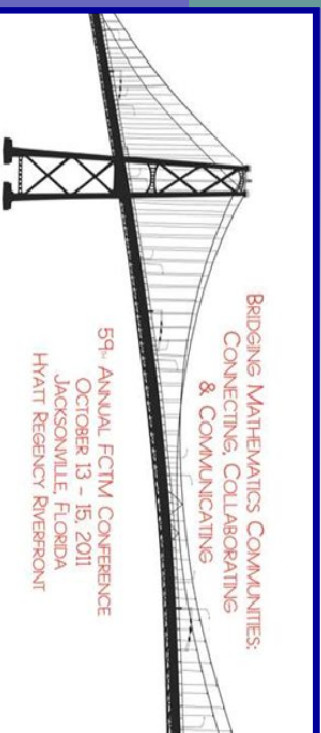
# *Certificate of Attendance*



This certificate certifies that:

attended the 59th annual  
**Florida Council Teachers of Mathematics Conference**  
October 13-15, 2011  
Hyatt Regency Riverfront  
Jacksonville, Florida

Charlene Kincaid & Nancy Kinard  
2011 Conference Co-Chairs





# Florida Council of Teachers of Mathematics

AFFILIATED WITH NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS



## FCTM Past Presidents

1948-1949	Ms. Mildred Mahood	1976-1977	Dr. Andrea Troutman
1949-1950	Ms. Veda Attaway	1977-1978	Mr. Stanley Lucas
1950-1951	Dr. F.W. Kohomoor	1978-1979	Dr. Betty Lichtenberg
1951-1952	Mr. Luther J. Bowman	1979-1980	Dr. Richard deAgüero
1952-1953	Mr. Howard Gallant	1980-1981	Ms. Barbara Nunn
1953-1954	Mr. Wayland Phillips	1981-1982	Mr. Larry Insel
1954-1955	Ms. Charlotte Canton Thoro	1982-1983	Dr. Don Bernard
1955-1956	Ms. Myrtle Rehwinkle	1983-1984	Dr. Mike Hynes
1956-1957	Ms. Annie May Hendry	1984-1985	Mr. Clem Boyer
1957-1958	Mr. James Richard Sewell	1985-1986	Ms. Carolyn Hecker
1958-1959	Ms. JoAnne S. Taber	1986-1987	Dr. Douglas Brumbaugh
1959-1960	Ms. Stella Ruth Carter	1987-1988	Ms. Patsy Shearer
1960-1961	Dr. Robert Kahn	1988-1989	Ms. Simone Hebert
1961-1962	Ms. Jessie A. Bailey	1989-1991	Dr. Piyush Agrawal
1962-1963	Ms. Agnes Y. Rickey	1991-1993	Mr. Roger O'Brien
1963-1964	Ms. Ruth Reynolds	1993-1995	Dr. Charlie Aplin
1965-1967	Dr. Daryle May	1995-1997	Mr. Nicky Walker
1967-1969	Ms. Lora Lewis	1997-1999	Ms. Gerry Greer
1969-1970	Mr. Louie Edwards	1999-2001	Dr. David Stout
1970-1971	Dr. Tom Denmark	2001-2003	Ms. Charlene Kincaid
1971-1972	Ms. Mary Larkin	2003-2005	Dr. Karol Yeatts
1972-1973	Ms. Mary Margaret Odom	2005-2007	Ms. Nancy Kinard
1973-1974	Dr. Earnest Burgess	2007-2009	Dr. Denisse Thompson
1974-1975	Dr. Donovan R. Lichtenberg	2009-2011	Janet Meinke
1975-1976	Mr. Lawrence Wantuck		



# 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 (deceased)	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 (deceased)	Miami
1983	Dr. Arthur T. Minor	Palm Harbor
1984	Mr. Bill E. Jordan	Winter Park
1985	Mr. Richard deAguero	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 (deceased)	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
2010	Mrs. Ann Marie Hubscher	Rockledge

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, 2012.

For more information visit the FCTM website at [www.fctm.net](http://www.fctm.net)



## 2011 FCTM Board of Directors

### ***FCTM Executive Board***

President	Janet Meinke	Marathon
President-Elect	Jill Nielsen	New Port Richey
Vice President – College	Rick Austin	Tampa
Vice President – High School	Rachel Lutz	Belle Glade
Vice President – Middle School	Pam Guyton	Orlando
Vice President – Elementary	Cindie Donahue	Wesley Chapel
Secretary	Cherie Matheson	Niceville
Treasurer	Vicki Goggans	Okeechobee

### ***FCTM Region Directors***

Region I	Amelia McCurdy	Pace
Region II	Paige Allison	Gainesville
Region III	Rob Schoen	Tallahassee
Region IV	Claire Redmond	Jacksonville
Region V	Mary Lou Beasley	Largo
Region VI	Margaret Bambrick	Deland
Region VII	Barbara Knox	Dover
Region VIII	Ricardo Bellon	Sarasota
Region IX	Michelle Stephan	Oviedo
Region X	Steve Selby	Greenacres
Region XI	Chris Ruda	Miami
Region XII	Tanya Hutkowski	Plantation
Region XIII	Ann Marie Hubscher	Rockledge
Region XIV		

### ***FCTM Standing Committee Chairs***

Certification	Sharon Shrader	Debary
Chaplain	Karol Yeatts	Winter Haven
Competitions	Carole Halka	Pembroke Pines
Conference Assistance	Nancy Kinard	Tequesta
Conference 2011 General Co-Chairs	Nancy Kinard/Charlene Kincaid	Tequesta/Milton
Conference 2011 Program Chair	Zak Champagne/Tim Kenney	Jacksonville
Curriculum/Best Practices	Joe McNaughton	Palmetto
DOE K-12 Mathematics	Teresa Sweet	Tallahassee
Elections/Competitions	Joyce Hawkins	Hallandale Bch
FAMS Representative	Janet Bauman	Land O'Lakes
FAMTE Representative	Cassandra Etgeton	LaBelle
FMPA <sup>2</sup> Representative	Barbara Knox	Dover
Fund Raising	Rebecca Jones	Orlando
Government Relations	Bob Bedford	Tallahassee
Grants and Awards	Renee Henry/Linda Walker	Tallahassee
Historian	Paige Allison	Gainesville
Leadership Conference	Zak Champagne/Tim Kenney	Jacksonville
Meetings and Events	Charlene Kincaid	Milton
Membership	Diane Gard	Melbourne
Nominations	Janet Meinke	Marathon
Parliamentarian	Margaret Walker	Orlando
Publications: <i>Additional Dimensions</i>	Lisa Shin	Lake Placid
Publications: <i>Dimensions</i>	Rick Austin	Tampa
Sponsorship	Carol Newman	Plantation
Student Assessment	Chris Harvey	Tallahassee
Technology	Jim Swick	Lake Worth
Webmaster	Barbara Cavanah	Marathon



## 2011 FCTM Award Recipients

**Congratulations to the following recipients of Grants and Awards!**

### **Kenneth P. Kidd Grant Recipients**

Maria Clifford  
Abby Coulter  
Lori Gross  
Hope Taylor

Brevard County  
Sarasota County  
Brevard County  
Pasco County

### **Tom Denmark Grant Recipient**

Jessica Flint  
Deborah Perry  
Dianne Peterson  
Cindy Stewart

Broward County  
Palm Beach County  
Brevard County  
Brevard County



### **Don Bernard Enhancement Grant**

Tracy Wood  
Lorri Benjamin

Lake County  
Brevard County

For 2012 Grant applications visit [www.fctm.net](http://www.fctm.net).

## 2011 FCTM Conference Acknowledgements

The Florida Council of Teachers of Mathematics and the Duval County Council of Elementary Mathematics Teachers wish to thank the following people and companies for their support of the 59<sup>th</sup> Annual FCTM Conference.

Houghton Mifflin Harcourt  
Pearson  
Duval Elementary Mathematics Council  
FCTM Board of Directors  
Jacksonville Hyatt Regency Riverfront  
Staff of the Jacksonville Hyatt Regency Riverfront

**#1 RED Hot Teaching: Consciously Creating a Community that Burns to Learn**

*Linda Cordes - RED Hot Teaching, Founder, [cordeskiRki@aol.com](mailto:cordeskiRki@aol.com)*

*Robert Simms, Tech Assistant*

Time: Thursday 8:00 - 9:10

Location: Clearwater

Learn how to partner with colleagues to create engaging classrooms where kids beg for more and teachers can't wait to deliver. Get five tools that guarantee better results in motivating even the hardest to reach students.

**#2 8 and 1/2 by 11 Math Tools (High School)**

*John Gorman - Riverview High School, Mathematics Teacher, [john\\_gorman@sarasota.k12.fl.us](mailto:john_gorman@sarasota.k12.fl.us)*

*Mary Gorman - Pineview School*

Time: Thursday 8:00 - 9:10

Location: Orlando

Replace your ruler and protractor with a standard piece of copy paper that we will fold. Measurement concepts we will explore include linear measure, angular measure, and volume measure. Some fun applications will include a pocket handkerchief, men's necktie and an emergency drinking cup.

**#3 The Algebra 1 and Geometry End-of-Course Exams (High School)**

*Barbara Nunn - Everglades K-12 Publishing, Inc., [bnunn@evergladesk12.com](mailto:bnunn@evergladesk12.com)*

Time: Thursday 8:00 - 9:10

Location: Daytona

The content of the Algebra 1 and Geometry End-of-Course examinations will be presented along with strategies for increasing your students' achievement.

**#4 Teaching Math Using Real-World Topics (Middle Grades)**

*Karim Ani - Mathalicious, Founder, [karim@mathalicious.com](mailto:karim@mathalicious.com)*

Time: Thursday 8:00 - 9:10

Location: City Terrace 4

Want to make math more engaging, relevant and effective...and cover multiple standards at once? We'll explore how to use real-world topics to help students master concepts deeper and more quickly. By contextualizing mathematics, teachers can cover more material in less time, and with better results. The session will emphasize two examples: using basketball to convert from fractions to percents; and using the iPad to write the equation of the line between two points.

**#5 Hooked on Statistics: Teaching AP Statistics to Non-traditional AP Students (High School)***Susan Archer - High School Teacher, [archers@duvalschools.org](mailto:archers@duvalschools.org)**Victoria Poynter - UNF student*

Time: Thursday 8:00 - 9:10

Location: City Terrace 6

Participants will do the student lab (with M&Ms) relating sample proportions to voter results in a mock election. We taught this lesson during the 2010-2011 school year with great success in student comprehension of a difficult abstract concept. Participants will receive packets including lesson plan, handouts, directions, and our lesson results.

**#6 Motivate Your Students to Really Learn About Graphing Functions (High School)***Patricia Casey - Florida State University School, Mathematics Teacher, [pcasey@fsu.edu](mailto:pcasey@fsu.edu)*

Time: Thursday 8:00 - 9:10

Location: City Terrace 7

Experience a graphing project for all levels that will inspire students to learn how to graph. Hands on project on the TI 83 or 84 will be presented and worked with. You will be amazed on how intrigued you will be!

**#7 L.E.A.R.N.--5 Principles for Effective Mathematics Teaching to the 21st Century Learner (Middle Grades)***Joseph Irby - BestQuest Teaching Systems, President, [joei@bestquest.com](mailto:joei@bestquest.com)*

Time: Thursday 8:00 - 9:10

Location: City Terrace 8

In this session, attendees will learn how to take advantage of the learning strengths of the ""digital natives."" Digital multi-media tools can be used to empower teachers to not only engage their students but to incorporate best educational practices including relevance, formative assessment, differentiated instruction, higher order thinking skills, applications, and a wide range of models and manipulatives. Activities will include brainstorming, classroom simulation, hands-on activities with manipulatives, and the incorporation of various technology tools.

**#8 Let's Flip, Turn and Rotate to Find Out about Spatial Sense! (Grades K – 2)***Marilyn Lance - Houghton Mifflin Harcourt, Consultant, [marilyn.lance@hmhpub.com](mailto:marilyn.lance@hmhpub.com)*

Time: Thursday 8:00 - 9:10

Location: City Terrace 9

This informational and hands-on workshop explores the topic of spatial sense, its importance throughout not only geometry but the broader math curriculum. Enjoy engaging, and sometimes challenging, activities to support this important part of mathematical curriculum.

**#9 Who did it? - Crime Scene Statistics (High School)**

*Susan Lee - Timber Creek High, Mathematics, [Susan.Lee@ocps.net](mailto:Susan.Lee@ocps.net)*

*Daphne Aldridge*

Time: Thursday 8:00 - 9:10

Location: City Terrace 10

Unravel the mystery of real world math, while discovering who committed the crime. Participants will use statistical data collected by hand on activities to explore several crime scene scenarios using graphing calculators. Handouts will be provided.

**#10 How to Use Livescribe in Your Daily Math Lessons. (General Interest)**

*Staci Gillen - Dunedin High School, Math Teacher/Department Head,*

*[gatorgirlgillen@gmail.com](mailto:gatorgirlgillen@gmail.com)*

Time: Thursday 8:00 - 9:10

Location: City Terrace 11

Learn how to help students by using Livescribe. You will get tips on how to implement the pen in your daily lessons. Give your students an easy way to make up assignments. We will have an open discussion of ideas of how to implement the pen in your class.

**#11 SMILES of Success for Students, Parents, and Teachers: Britannica SmartMath! (Grades 3 – 5)**

*Dan Crimmins - Britannica Digital Learning, Business Development Manager,*

*[dcrimmins@eb.com](mailto:dcrimmins@eb.com)*

Time: Thursday 8:00 - 9:10

Location: City Terrace 12

Participants will engage in lively and interactive web-based practice and assessment for elementary students. Move students toward computational fluency while using tools that allow teachers to differentiate, assess, track, and evaluate in real-time. Students enjoy doing math at home or in the classroom.

**#12 THE MATH PARTY: Learning Math Through Music and Dance (Grades 3 – 5)**

*Dr. Stephanie Pasley - Step By Step Expression, Inc., National Educational Consultant*

*[Info@TheMathParty.com](mailto:Info@TheMathParty.com)*

Time: Thursday 8:00 - 9:10

Location: Boardroom 2

In this electrifying session, you will sing, dance, and most importantly, learn! This session encompasses songs, chants, raps, exercises, and dance movements that will invigorate your existing math curriculum! The motivational repertoire includes age-appropriate content for students in all grade levels. Don't be tardy to the MAAATH PAARTY!!



**#13 Can Students Game Their Way to Math Achievement? (General Interest)***Snehal Patel – Sokikom, Founder and CEO, [swiley@lwolfe.com](mailto:swiley@lwolfe.com)*

Time: Thursday 8:00 - 9:10

Location: Boardroom 3

Students are struggling with and lacking interest in math, but spend hours playing online games. Discover how elementary students are learning to love math and improving their tests scores by spending minutes a week playing an online math social learning game.

**#14 Multiple Perspectives on a Binomial Distribution (High School)***Kenn Pendleton, Montgomery College, Adjunct Professor, [kennmg@aol.com](mailto:kennmg@aol.com)*

Time: Thursday 8:00 - 9:10

Location: Boardroom 4

When a question related to a binomial distribution is posed, there can be more than one way in which a response can be framed. This presentation will offer three unique perspectives from which such a question can be addressed and also demystify the "magic numbers" linking binomial and normal distributions.

# Moody's Mega Math Challenge



A contest for high school students

[M3Challenge@siam.org](mailto:M3Challenge@siam.org)

[M3Challenge.siam.org](http://M3Challenge.siam.org)

Hello conference attendees!



Moody's Mega Math Challenge is an Internet-based, applied math competition for high school juniors and seniors. The contest is free to register and participate, and is open to high schools in 29 states in the Eastern United States. Winners receive scholarships totaling \$115,000 toward the pursuit of higher education. Working in teams of three to five, participants are required to solve an open-ended, applied math-modeling problem focused on a realistic issue in 14 hours. This sort of real-world focus introduces applied math to students as a powerful problem-solving tool, and potentially, as a viable and exciting profession. The next Challenge weekend is set for March 3 and 4, 2012. Registration opens in November at the link below.

Complete details, sample problems, and archives of previous Challenges are available at:

<http://M3Challenge.siam.org>

**siam** Organized by SIAM  
Society for Industrial and Applied Mathematics

Funded by THE MOODY'S FOUNDATION



**#15 RED Hot Teaching: Consciously Creating a Community that Burns to Learn***Linda Cordes - RED Hot Teaching, Founder, [cordeskiRki@aol.com](mailto:cordeskiRki@aol.com)**Robert Simms, Tech Assistant*

Time: Thursday 9:25 - 10:35

Location: Clearwater

Learn how to partner with colleagues to create engaging classrooms where kids beg for more and teachers can't wait to deliver. Get five tools that guarantee better results in motivating even the hardest to reach students.

**#16 8 and 1/2 by 11 Math Tools (High School)***John Gorman - Riverview High School, Mathematics Teacher, [john\\_gorman@sarasota.k12.fl.us](mailto:john_gorman@sarasota.k12.fl.us)**Mary Gorman (Pineview School)*

Time: Thursday 9:25 - 10:35

Location: Orlando

Replace your ruler and protractor with a standard piece of copy paper that we will fold. Measurement concepts we will explore include linear measure, angular measure, and volume measure. Some fun applications will include a pocket handkerchief, men's necktie and an emergency drinking cup.

**#17 The Algebra 1 and Geometry End-of-Course Exams (High School)***Barbara Nunn - Everglades K-12 Publishing, Inc. [bnunn@evergladesk12.com](mailto:bnunn@evergladesk12.com)*

Time: Thursday 9:25 - 10:35

Location: Daytona

The content of the Algebra 1 and Geometry End-of-Course examinations will be presented along with strategies for increasing your students' achievement.

**#18 Teaching Math Using Real-World Topics (Middle Grades)***Karim Ani - Mathalicious, Founder, [karim@mathalicious.com](mailto:karim@mathalicious.com)*

Time: Thursday 9:25 - 10:35

Location: City Terrace 4

Want to make math more engaging, relevant and effective...and cover multiple standards at once? We'll explore how to use real-world topics to help students master concepts deeper and more quickly. By contextualizing mathematics, teachers can cover more material in less time, and with better results. The session will emphasize two examples: using basketball to convert from fractions to percents; and using the iPad to write the equation of the line between two points.

**#19 Hooked on Statistics: Teaching AP Statistics to Non-traditional AP Students (High School)***Susan Archer - High School Teacher, [archers@duvalschools.org](mailto:archers@duvalschools.org)**Victoria Poynter, UNF student*

Time: 9:25 - 10:35

Location: City Terrace 6

Participants will do the student lab (with M&Ms) relating sample proportions to voter results in a mock election. We taught this lesson during the 2010-2011 school year with great success in student comprehension of a difficult abstract concept. Participants will receive packets including lesson plan, handouts, directions, and our lesson results.

**#20 Motivate Your Students to Really Learn About Graphing Functions (High School)***Patricia Casey - Florida State University School, Mathematics Teacher, [pcasey@fsu.edu](mailto:pcasey@fsu.edu)*

Time: Thursday 9:25 - 10:35

Location: City Terrace 7

Experience a graphing project for all levels that will inspire students to learn how to graph. Hands on project on the TI 83 or 84 will be presented and worked with. You will be amazed on how intrigued you will be!

**#21 L.E.A.R.N.--5 Principles for Effective Mathematics Teaching to the 21st Century Learner (Middle Grades)***Joseph Irby - BestQuest Teaching Systems, President, [joei@bestquest.com](mailto:joei@bestquest.com)*

Time: Thursday 9:25 - 10:35

Location: City Terrace 8

In this session, attendees will learn how to take advantage of the learning strengths of the ""digital natives."" Digital multi-media tools can be used to empower teachers to not only engage their students but to incorporate best educational practices including relevance, formative assessment, differentiated instruction, higher order thinking skills, applications, and a wide range of models and manipulatives. Activities will include brainstorming, classroom simulation, hands-on activities with manipulatives, and the incorporation of various technology tools.

**#22 Let's Flip, Turn and Rotate to Find Out about Spatial Sense! (Grades K – 2)***Marilyn Lance - Houghton Mifflin Harcourt, Consultant, [marilyn.lance@hmhpub.com](mailto:marilyn.lance@hmhpub.com)*

Time: Thursday 9:25 - 10:35

Location: City Terrace 9

This informational and hands-on workshop explores the topic of spatial sense, its importance throughout not only geometry but the broader math curriculum. Enjoy engaging, and sometimes challenging, activities to support this important part of mathematical curriculum.

**#23 Who did it? - Crime Scene Statistics (High School)**

*Susan Lee - Timber Creek High, Mathematics, [Susan.Lee@ocps.net](mailto:Susan.Lee@ocps.net)*

*Daphne Aldridge*

Time: Thursday 9:25 - 10:35

Location: City Terrace 10

Unravel the mystery of real world math, while discovering who committed the crime. Participants will use statistical data collected by hand on activities to explore several crime scene scenarios using graphing calculators. Handouts will be provided.

**#24 How to Use Livescribe in Your Daily Math Lessons. (General Interest)**

*Staci Gillen - Dunedin High School, Math Teacher/Department Head*

*[gatorgirlgillen@gmail.com](mailto:gatorgirlgillen@gmail.com)*

Time: Thursday 9:25 - 10:35

Location: City Terrace 11

Learn how to help students by using Livescribe. You will get tips on how to implement the pen in your daily lessons. Give your students an easy way to make up assignments. We will have an open discussion of ideas of how to implement the pen in your class.

**#25 SMILES of Success for Students, Parents, and Teachers: Britannica SmartMath! (Grades 3 – 5)**

*Dan Crimmins - Britannica Digital Learning, Business Development Manager*

*[dcrimmins@eb.com](mailto:dcrimmins@eb.com)*

Time: Thursday 9:25 - 10:35

Location: City Terrace 12

Participants will engage in lively and interactive web-based practice and assessment for elementary students. Move students toward computational fluency while using tools that allow teachers to differentiate, assess, track, and evaluate in real-time. Students enjoy doing math at home or in the classroom.

**#26 THE MATH PARTY: Learning Math Through Music and Dance (Grades 3 – 5)**

*Dr. Stephanie Pasley - Step By Step Expression, Inc., National Educational Consultant*

*[Info@TheMathParty.com](mailto:Info@TheMathParty.com)*

Time: Thursday 9:25 - 10:35

Location: Boardroom 2

In this electrifying session, you will sing, dance, and most importantly, learn! This session encompasses songs, chants, raps, exercises, and dance movements that will invigorate your existing math curriculum! The motivational repertoire includes age-appropriate content for students in all grade levels. Don't be tardy to the MAAATH PAARTY!!

**#27 Can Students Game Their Way to Math Achievement? (General Interest)**

*Snehal Patel – Sokikom, Founder and CEO, [swiley@lwolfe.com](mailto:swiley@lwolfe.com)*

Time: Thursday 9:25 - 10:35

Location: Boardroom 3

Students are struggling with and lacking interest in math, but spend hours playing online games. Discover how elementary students are learning to love math and improving their tests scores by spending minutes a week playing an online math social learning game.

**#28 Multiple Perspectives on a Binomial Distribution (High School)**

*Kenn Pendleton, Montgomery College, Adjunct Professor, [kennmg@aol.com](mailto:kennmg@aol.com)*

Time: Thursday 9:25 - 10:35

Location: Boardroom 4

When a question related to a binomial distribution is posed, there can be more than one way in which a response can be framed. This presentation will offer three unique perspectives from which such a question can be addressed and also demystify the "magic numbers" linking binomial and normal distributions.

**#29 What Can You Do With Ten Black Dots? (Grades K – 2)***Karol Yeatts – FCTM, Educator, [kjyeatts@verizon.net](mailto:kjyeatts@verizon.net)*

Time: Thursday 10:50 - 12:00

Location: Clearwater

This hands on, interactive session provides opportunities for participants to collaborate and communicate ways to connect the common core standards for mathematical practices to the standards for mathematical content in PreK-2nd grades. With ten black dots (and more) you can use them to make sense of problems, to reason abstractly and quantitatively, to construct viable arguments, to model the mathematics, to attend to precision, and to look for and make use of structure.

**#83 Multiple Manipulatives for Multiple Representations of Mathematical Concepts (Middle Grades)***Janet Andreasen - University of Central Florida, Instructor, [Janet.Andreasen@ucf.edu](mailto:Janet.Andreasen@ucf.edu)*

Time: Thursday 10:50 - 12:00

Location: Orlando

Using manipulatives to teach mathematical concepts is not new. Different manipulatives can represent mathematical concepts in different ways. Come explore various manipulatives, both concrete and virtual, which can represent algebraic concepts in multiple ways. Using multiple representations helps to meet the needs of all learners in the classroom.

**#30 Diverting Disasters with Algebra (High School)***Mary Anne Petruska - Pensacola State College, Professor of Mathematics*[mpetruska@pensacolastate.edu](mailto:mpetruska@pensacolastate.edu)*Vicki Schell*

Time: Thursday 10:50 - 12:00

Location: Daytona

Hands-on workshop utilizing applications on the TI-83 plus/84 to model natural disaster relief efforts through linear programming techniques.

**#31 Using Number Talks to Improve Number Sense in the Primary Classroom (K – 2)***Lori Price - St. Johns Co. Schools, First Grade Teacher, [pricel2@stjohns.k12.fl.us](mailto:pricel2@stjohns.k12.fl.us)*

Time: Thursday 10:50 - 12:00

Location: City Terrace 4

Number Talks offer students opportunities to use and hone their number skills. Discussion among students provides experience explaining and defending answers to problems solved mentally. Participants will participate in Number Talks and view video of Number Talks in a first grade classroom. Participants will leave with ideas for beginning Number talks in their own classrooms immediately.



**#32 Math Fact: Strong Classroom Management = Increased Student Learning = Top Math Scores = Happy Teacher (Middle Grades)**

*Dave Ricci - Time To Teach, Middle School Math Teacher, [DaveRicci@TimeToTeach.com](mailto:DaveRicci@TimeToTeach.com)*

Time: Thursday 10:50 - 12:00

Location: City Terrace 6

Teaching is such a rewarding job, right? Right! (good answer). But what about those students who disrupt your classroom and make your job a little less than awesome, and create less learning for all? In this workshop you will discover strategies and techniques that will forever change your life. Your students are 30% more likely to stay engaged thus raising their test scores, and ultimately creating an enjoyable classroom environment.

**#33 Love and Piece: The Calculator that Does Not Calculate! (Middle Grades)**

*Derrick Saddler - University of South Florida, Doctoral student/Teaching associate*

[dsaddler@mail.usf.edu](mailto:dsaddler@mail.usf.edu)

Time: Thursday 10:50 - 12:00

Location: City Terrace 7

A hands-on interactive workshop involving a calculator that will engage you and your algebra students. A particular feature about 'Love and Piece' is that it provides instant feedback on the step-by-step procedures when simplifying numerical expressions, simplifying algebraic expressions, and solving equations. The calculator does not give the answer, however it does inform the student if the procedure is correct.

**#34 Challenge Based Research (Research)**

*Megan Sample - Full Sail University, Student, [hippiemii@fullsail.edu](mailto:hippiemii@fullsail.edu)*

Time: Thursday 10:50 - 12:00

Location: City Terrace 8

A review of the 12-month research project I completed. I will include ways to motivate and engage your students.

**#35 Create Foolproof Foldables® using templates - topics are equations of lines and special right triangles. (High School)**

*Ninamarie Sapuppo - Florida State University Schools, Secondary Math Instructor*

[nsapuppo@fsu.edu](mailto:nsapuppo@fsu.edu)

Time: Thursday 10:50 - 12:00

Location: City Terrace 9

In this session, you will use fill-in templates to create 2 different Foldables®. Topics include equations of lines and special right triangles. Templates are designed to clarify common misconceptions associated with these concepts. Using a template supports the needs of all students. No more inaccurate or illegible Foldables®; with these templates, your students will create a study tool they won't throw away! Many thanks to the talented Dinah Zike for her inspirational Foldables®.

**#36 Figuring the Fun of Figurate Numbers (High School)**

*Vicki Schell - Pensacola State College, District Department Head, [vschell@pensacolastate.edu](mailto:vschell@pensacolastate.edu)  
Mary Anne Petruska, Pensacola State College*

Time: Thursday 10:50 - 12:00

Location: City Terrace 10

This is a hands-on workshop exploring the algebraic patterns of figurate numbers [square, triangular, pentagonal, tetrahedral, etc.]. Both algebraic thinking and fun physical explorations will be a part of the workshop.

**#37 Using Florida's K-3 Mathematics Formative Assessment System: Next Generation and Beyond (Grades K – 3)**

*Laura Lang - Florida State University, Director, Learning Systems Institute and Principal Investigator, MFAS-CCSS, [llang@lsi.fsu.edu](mailto:llang@lsi.fsu.edu)*

*Maureen Oberlin, FCR-STEM, Florida State University*

*Robert Schoen, FCR-STEM, Florida State University*

*Zachary Champagne FCR-STEM, Florida State University*

Time: Thursday 10:50 - 12:00

Location: City Terrace 11

This session will showcase mathematics formative assessment resources for every benchmark in the K-3 Next Generation Sunshine State Standards (2007) that are freely available and developed through FCR-STEM. Participants will examine currently available tasks and rubrics as well as the electronic professional development modules. Presenters will also share information about a recently funded project that is designed to produce a new web-based formative assessment system for the K-3 Common Core State Standards (CCSS) in mathematics, to be available to all stakeholders in Florida by the 2013-2014 school year.

**#38 Mathematical Practices -- a Must in Your Classroom! (Middle Grades)**

*Nancy Thiele - Big Ideas Learning, LLC, Director of Curriculum and Instruction  
[nthiele@larsontexts.com](mailto:nthiele@larsontexts.com)*

Time: Thursday 10:50 - 12:00

Location: City Terrace 12

Memorizing is out...understanding is in. The Standards for Mathematical Practice and Common Core State Standards indicate that students need to be able to “make sense” of mathematics. This engaging, hands-on workshop shows teachers how they can incorporate the Mathematical Practices in their classroom. Discovery activities and games help hold students’ interest and deepen their understanding of the concepts.

**#39 Exploring sequences in Pre-Algebra and Algebra 1 with the TI-Nspire™ (Middle Grades)**

Beth Smith - Episcopal School of Jacksonville, Coordinator of Instructional Technology and Mathematics Teacher, [smithb@esj.org](mailto:smithb@esj.org)

Time: Thursday 10:50 - 12:00

Location: Boardroom 2

So much of math involves patterns! The TI-Nspire™ provides a great opportunity to explore arithmetic, geometric, and other types of sequences with our students. Learn how to use a list and spreadsheet page with a data and statistics page to help your students make discoveries. How about a WebQuest to help them investigate Fibonacci Numbers and the Golden Ratio? Leave with a big picture activity ready to be used in your classroom that addresses the Common Core State Standards.

**~MARK YOUR CALENDARS~**

*Sixty years in the making...  
an event you don't want to miss!*

Florida Council of Teachers of Mathematics

60<sup>TH</sup> ANNUAL CONFERENCE

OCTOBER 18 – 20, 2012

ORLANDO, FLORIDA

**Diamond Jubilee**



*Celebrating the Journey to Common Core*

**DoubleTree by Hilton Orlando at Sea World**

10100 International Drive, Orlando, Florida, United States 32821

Tel: 1-407-352-1100

Fax: 1-407-352-2632

**#41 RED Hot Teaching The AYP Solution (General Interest)***Linda Cordes - RED Hot Teaching, Creator, [cordeskiki@aol.com](mailto:cordeskiki@aol.com)*

Time: Thursday 12:15 - 1:25

Location: Clearwater

My middle school teachers nearly tripled math proficiency in less than two years. The ideas I coached them with grew into RED Hot Teaching. Find out how it will help you.

**#42 That's Not My Job....Or Is It? - Teaching classroom expectations to students. (Middle Grades)***Charles Hebert - Center for Teacher Effectiveness, Consultant, [skayhebert@aol.com](mailto:skayhebert@aol.com)*

Time: Thursday 12:15 - 1:25

Location: Orlando

Every year it is more challenging to keep student on-task. As teachers, we want to do our best to help our students to succeed. However, we often lack the tools to accomplish this daunting task! In this jam-packed session, you will learn time-tested, research based strategies and techniques designed to: Decrease teacher and student frustration, improve student focus, systematically teach appropriate, on-task behavior, drastically reduce problem behavior, and increase instruction time. The Teacher sets the rules and routine of the classroom and implements it the very first day. Positive and negative behavior of the students will be dealt with the Consequences with unconditional positive regard.

**#43 Math Is Not Four Letter Word (General Interest)***Rick Blum - Richard Blum and Associates, Actuary and Vedic Math Teacher  
[pensions@mindspring.com](mailto:pensions@mindspring.com)*

Time: Thursday 12:15 - 1:25

Location: Daytona

Richard Blum has been teaching Vedic math for the last 13 years. These easy to learn mental techniques allow both students and parents to do math faster than they ever thought possible. Parents will instantly see their children's ability in math skyrocket as well as their child's self-confidence and self-esteem surge upward. For students who already enjoy math, they will love this. For students who are not good in math, they will enjoy it even more.

**#44 Improving The Skill Set for Responding to Intervention in Middle School Mathematics (Middle Grades)***Rudy Neufeld - Neufeld Learning Systems, Author/CEO/Founder, [rneufeld@neufeldmath.com](mailto:rneufeld@neufeldmath.com)*

Time: Thursday 12:15 - 1:25

Location: City Terrace 4

We will combine high yield instructional strategies involving technology to reach all middle school math students. To demonstrate these strategies, we will model specific lessons involving a variety of resources and technology at all 3 tiers in an inclusive model of differentiated instruction.

**#45 CRYPTO: A Game of Intrigue and Introduction to Matrix Algebra (High School)***Cheryl Avila - University of Central Florida, Doctoral Student* [cherie.avila@knights.ucf.edu](mailto:cherie.avila@knights.ucf.edu)

Time: Thursday 12:15 - 1:25

Location: City Terrace 6

Crypto is a game that I developed to introduce students to the study of Matrix Algebra in the context of the basic mathematics behind cryptology. The game is intended to be used as an introduction to matrices, inverse matrices, multiplication of matrices and solving matrix equations when using a graphing calculator, but can be played without a calculator for more advanced students.

**#46 How to Ruin Beautiful Crochet with Mathematics, OR, How to Explore Beautiful Mathematics with Crochet: Sequences, Euclidean and Hyperbolic Geometry (High School)***Nina Kimbrough - Robinson IB High School, Teacher, IB Mathematics and Inquiry Skills*[nina.kimbrough@sdhc.k12.fl.us](mailto:nina.kimbrough@sdhc.k12.fl.us)

Time: Thursday 12:15 - 1:25

Location: City Terrace 7

We will use crochet models to explore a broad variety of mathematical concepts. The crochet models allow tactile and visual manifestation of:  $\pi$  as the ratio of circumference to diameter as it exists in Euclidean Plane Geometry, the development of Non-Euclidean Hyperbolic Geometry as the circumference to diameter ratio changes, arithmetic sequences, geometric sequences, and converges of series.

**#47 Interactive Math in the Elementary Classroom (Grades K – 2)***Kim Jurczak - Promethean, Inc., Teaching and Learning Consultant*[kim.jurczak@prometheanworld.com](mailto:kim.jurczak@prometheanworld.com)

Time: Thursday 12:15 - 1:25

Location: City Terrace 8

Learn how to maximize student engagement with interactive whiteboards, slates, and clickers in your elementary mathematics classroom. This session will look at leveraging free online resources to model and teach math concepts, such as the National Library of Virtual Manipulatives and the NCTM's Illuminations websites.

**#48 Student uses of Technology (High School)***Spencer Lunsford - Gadsden County Schools, High School Math Teacher*[lunsfords@fullsail.edu](mailto:lunsfords@fullsail.edu)

Time: Thursday 12:15 - 1:25

Location: City Terrace 9

During my Action Research at Full Sail University, I had my students in the AP Calculus class see just how teachers try to incorporate technology into the classroom. I had the students review and evaluate the technologies for their usefulness in the classroom.

**#49 Making Small Groups Work... The Nuts and Bolts of Math Workshop! (General Interest)**

Rosa Newlin - Oakleaf Village Elementary, [rnewlin@mail.clay.k12.fl.us](mailto:rnewlin@mail.clay.k12.fl.us)

Marla Teal Time: Thursday 12:15 - 1:25

Location: City Terrace 10

Are you struggling with meeting all your math learners where they are? Pulling your hair out searching for strategies that will engage your students? Are you in need of ideas for flexible grouping and differentiation to meet the requirements of the NGSSS? We will give you ideas for enrichment activities and spiral review while maintaining the integrity of the 3 Big Ideas. This approach allows for teachers to work with small groups while the others remain engaged and productive.

**#50 Effective Methods for Developing Math Fact Fluency (Grades 3 - 5)**

Jane Owen – ExploreLearning, Project Manager, [jowen@explorellearning.com](mailto:jowen@explorellearning.com)

Time: Thursday 12:15 - 1:25

Location: City Terrace 11

How are math facts mastered? What does the development of fluency look like over time? Which methods promote the acquisition of new facts and progression to automaticity across a broad range of students? See the latest results of ongoing research into fact fluency based on longitudinal performance data encompassing millions of student responses. Learn how to optimize classroom instruction and practice through empirically-validated methods that are both effective and efficient.

**#52 Integrating Math and Literacy! (Grades K – 2)**

Almarene Lowndes - Kindergarten Teacher

[lowndesa@duvalschools.org](mailto:lowndesa@duvalschools.org)

Time: Thursday 12:15 - 1:25

Location: Boardroom 2

This session will cover ways to integrate literature into the mathematics curriculum using authentic literature.

**#53 Spatial Temporal Math, How a Penguin Changed My Students! (General Interest)**

Patricia Weisbach - Orange County Public Schools, Teacher, [patricia.weisbach@ocps.net](mailto:patricia.weisbach@ocps.net)

Time: Thursday 12:15 - 1:25

Location: Boardroom 3

Come and experience math in a new way! This presentation will demonstrate how using Jiji, the penguin, and ST Math from the Mind Research Institute, helped pull all the pieces of math together to teach, engage, and excite all the learners in my classroom!

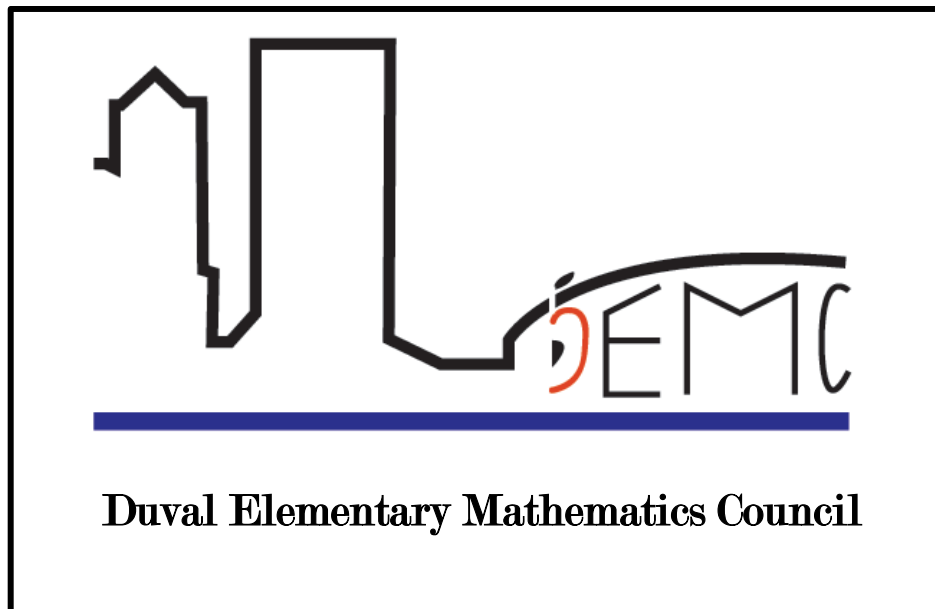


**#54 FCTM Board Meeting (FCTM Board Members)**

Time: Thursday 12:15 - 1:25

Location: City Terrace 12

**A VERY SPECIAL THANKS TO THE DUVAL ELEMENTARY  
MATHEMATICS COUNCIL FOR PLANNING AND HOSTING THE  
59<sup>TH</sup> ANNUAL FCTM CONFERENCE!**



**This year's conference could not have without the tireless efforts  
of Nancy Kinard, Charlene Kincaid, Vicki Goggans, and Ann Marie  
Hubscher! Thank you all very much!**

**#55 RED Hot Teaching The AYP Solution (General Interest)***Linda Cordes - RED Hot Teaching, Creator, [cordeskiki@aol.com](mailto:cordeskiki@aol.com)*

Time: Thursday 1:40 - 2:50

Location: Clearwater

My middle school teachers nearly tripled math proficiency in less than two years. The ideas I coached them with grew into RED Hot Teaching. Find out how it will help you.

**#56 That's Not My Job....Or Is It? - Teaching classroom expectations to students. (Middle Grades)***Charles Hebert - Center for Teacher Effectiveness, Consultant, [skayhebert@aol.com](mailto:skayhebert@aol.com)*

Time: Thursday 1:40 - 2:50

Location: Orlando

Every year it is more challenging to keep student on-task. As teachers, we want to do our best to help our students to succeed. However, we often lack the tools to accomplish this daunting task! In this jam-packed session, you will learn time-tested, research based strategies and techniques designed to: Decrease teacher and student frustration, improve student focus, systematically teach appropriate, on-task behavior, drastically reduce problem behavior, and increase instruction time. The Teacher sets the rules and routine of the classroom and implements it the very first day. Positive and negative behavior of the students will be dealt with the Consequences with unconditional positive regard.

**# 57 Math Is Not Four Letter Word (General Interest)***Rick Blum - Richard Blum and Associates, Actuary and Vedic Math Teacher  
[pensions@mindspring.com](mailto:pensions@mindspring.com)*

Time: Thursday 1:40 - 2:50

Location: Daytona

Richard Blum has been teaching Vedic math for the last 13 years. These easy to learn mental techniques allow both students and parents to do math faster than they ever thought possible. Parents will instantly see their children's ability in math skyrocket as well as their child's self-confidence and self-esteem surge upward. For students who already enjoy math, they will love this. For students who are not good in math, they will enjoy it even more.

**#58 I can DO IT but I DON'T UNDERSTAND IT! Address the new Common Core Standards by "going deep" (Middle Grades)**

*Rudy Neufeld - Neufeld Learning Systems, Author/CEO/Founder, [rneufeld@neufeldmath.com](mailto:rneufeld@neufeldmath.com)*

Time: Thursday 1:40 - 2:50

Location: City Terrace 4

We will develop specific concepts in middle school math within the new Common Core State Standards that students have difficulty in understanding and teachers have difficulty in teaching and offer strategies for the teacher to teach with understanding in a wide variety of learning environments. Lessons will involve a variety of resources and technology.

**#59 CRYPTO: A Game of Intrigue and Introduction to Matrix Algebra (High School)**

*Cheryl Avila - University of Central Florida, Doctoral Student [cherie.avila@knights.ucf.edu](mailto:cherie.avila@knights.ucf.edu)*

Time: Thursday 1:40 - 2:50

Location: City Terrace 6

Crypto is a game that I developed to introduce students to the study of Matrix Algebra in the context of the basic mathematics behind cryptology. The game is intended to be used as an introduction to matrices, inverse matrices, multiplication of matrices and solving matrix equations when using a graphing calculator, but can be played without a calculator for more advanced students.

**#60 How to Ruin Beautiful Crochet with Mathematics, OR, How to Explore Beautiful Mathematics with Crochet: Sequences, Euclidean and Hyperbolic Geometry (High)**

*Nina Kimbrough - Robinson IB High School, Teacher, IB Mathematics and Inquiry Skills [nina.kimbrough@sdhc.k12.fl.us](mailto:nina.kimbrough@sdhc.k12.fl.us)*

Time: Thursday 1:40 - 2:50

Location: City Terrace 7

We will use crochet models to explore a broad variety of mathematical concepts. The crochet models allow tactile and visual manifestation of:  $\pi$  as the ratio of circumference to diameter as it exists in Euclidean Plane Geometry, the development of Non-Euclidean Hyperbolic Geometry as the circumference to diameter ratio changes, arithmetic sequences, geometric sequences, and converges of series.

**#61 Interactive Math in the Elementary Classroom (Grades K – 2)**

Kim Jurczak - Promethean, Inc., Teaching and Learning Consultant,  
[kim.jurczak@prometheanworld.com](mailto:kim.jurczak@prometheanworld.com)

Time: Thursday 1:40 - 2:50

Location: City Terrace 8

Learn how to maximize student engagement with interactive whiteboards, slates, and clickers in your elementary mathematics classroom. This session will look at leveraging free online resources to model and teach math concepts, such as the National Library of Virtual Manipulatives and the NCTM's Illuminations websites.

**#62 Student uses of Technology (High School)**

Spencer Lunsford - Gadsden County Schools, High School Math Teacher  
[lunsfords@fullsail.edu](mailto:lunsfords@fullsail.edu)

Time: Thursday 1:40 - 2:50

Location: City Terrace 9

During my Action Research at Full Sail University, I had my students in the AP Calculus class see just how teachers try to incorporate technology into the classroom. I had the students review and evaluate the technologies for their usefulness in the classroom.

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Rosa Newlin - Oakleaf Village Elementary, [rnewlin@mail.clay.k12.fl.us](mailto:rnewlin@mail.clay.k12.fl.us)

Marla Teal Time: Thursday 1:40 - 2:50

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Jane Owen – ExploreLearning, Project Manager, [jowen@explorellearning.com](mailto:jowen@explorellearning.com)

Time: Thursday 1:40 - 2:50

Location: City Terrace 11

How are math facts mastered? What does the development of fluency look like over time? Which methods promote the acquisition of new facts and progression to automaticity across a broad range of students? See the latest results of ongoing research into fact fluency based on longitudinal performance data encompassing millions of student responses. Learn how to optimize classroom instruction and practice through empirically-validated methods that are both effective and efficient.

**#65 FCTM Business Meeting (General Interest)**

Time: Thursday 1:40 - 2:50

Location: City Terrace 12

**#66 Integrating Math and Literacy! (Grades K – 2)**

*Almarene Lowndes - Mandarin Oaks Elementary School, Kindergarten Teacher*

[lowndesa@duvalschools.org](mailto:lowndesa@duvalschools.org)

Time: Thursday 1:40 - 2:50

Location: Boardroom 2

This session will cover ways to integrate literature into the mathematics curriculum using authentic literature.

**#67 Journey through the Past...with Math! (Grades 3 – 5)**

*Amber Weiss - Florida Public Archaeology Network, Outreach Coordinator*

[AWeiss@flagler.edu](mailto:AWeiss@flagler.edu)

*Sarah Nohe, Florida Public Archaeology Network*

Time: Thursday 1:40 - 2:50

Location: Boardroom 3

Florida Public Archaeology Network is dedicated to preserving the past through education and public outreach. Our hands-on activities will provide teachers with some fun and creative lesson plans that bring archaeology into the classroom to teach math.

**# 68 FCTM Board Members and the FCTM Website (General Interest)**

*Barbara Cavanah - Monroe County School District, Teacher*

[Barbara.Cavanah@KeysSchools.com](mailto:Barbara.Cavanah@KeysSchools.com)

Time: Thursday 1:40 - 2:50

Location: Boardroom 4

Hands-on sessions for FCTM board members to learn how to edit their Fusionpages on the new FCTM website.

**#69 Our Greatest Challenge: Motivating the Special Needs Students to Become Confident Mathematicians. (Grades 3 – 5)**

*Shirley Bradsby - Jefferson Ct. Schools, consultant, [lsbradsby@hotmail.com](mailto:lsbradsby@hotmail.com)*

Time: Thursday 3:05 - 4:15

Location: Clearwater

Are you experiencing difficulty keeping your students with special needs in the regular classroom motivated? Do you need alternative strategies? Using the NCTM 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. Sample activities for teachers to use with their students will be provided. A model that involves diagnostic assessment to determine student needs will be shown.

**#70 Let's Improve End Of Course Algebra I Test Results By Providing A Researched-Based Program That Improves Retention And Monitors Learning. (High School)**

*Larry Bradsby - Jefferson Ct. Schools, Consultant, [lsbradsby@hotmail.com](mailto:lsbradsby@hotmail.com)*

Time: Thursday 3:05 - 4:15

Location: Orlando

Participants will be actively involved using a researched-based mastery-learning model with intervention techniques. This alternative instructional approach is driven by assessment and hands-on activities around concept development, practice and problem-solving. Investigate a management model to diagnose student needs, select appropriate instruction, evaluate learning, and provide corrective instruction. Leave with ideas that can be immediately implemented in your diversified classroom.

**#71 Diverting Disasters with Algebra (High School)**

*Mary Anne Petruska - Pensacola State College, Professor of Mathematics*

[mpetruska@pensacolastate.edu](mailto:mpetruska@pensacolastate.edu)

*Vicki Schell*

Time: 3:05 - 4:15

Location: Daytona

Hands-on workshop utilizing applications on the TI-83 plus/84 to model natural disaster relief efforts through linear programming techniques.



**#72 Using Number Talks to Improve Number Sense in the Primary Classroom (K – 2)**

Lori Price - St. Johns Co. Schools, First Grade Teacher, [pricel2@stjohns.k12.fl.us](mailto:pricel2@stjohns.k12.fl.us)

Time: Thursday 3:05 - 4:15

Location: City Terrace 4

Number Talks offer students opportunities to use and hone their number skills. Discussion among students provides experience explaining and defending answers to problems solved mentally. Participants will participate in Number Talks and view video of Number Talks in a first grade classroom. Participants will leave with ideas for beginning Number talks in their own classrooms immediately.

**#73 Math Fact: Strong Classroom Management = Increased Student Learning = Top Math Scores = Happy Teacher (Middle Grades)**

Dave Ricci - Time To Teach, Middle School Math Teacher, [DaveRicci@TimeToTeach.com](mailto:DaveRicci@TimeToTeach.com)

Time: Thursday 3:05 - 4:15

Location: City Terrace 6

Teaching is such a rewarding job, right? Right! (good answer). But what about those students who disrupt your classroom and make your job a little less than awesome, and create less learning for all? In this workshop you will discover strategies and techniques that will forever change your life. Your students are 30% more likely to stay fully engaged thus raising their test scores significantly, and ultimately creating an enjoyable classroom environment.

**#74 Love and Piece: The Calculator that Does Not Calculate! (Middle Grades)**

Derrick Saddler - University of South Florida, Doctoral student/Teaching associate  
[dsaddler@mail.usf.edu](mailto:dsaddler@mail.usf.edu)

Time: Thursday 3:05 - 4:15

Location: City Terrace 7

A hands-on interactive workshop involving a calculator that will engage you and your algebra students. A particular feature about 'Love and Piece' is that it provides instant feedback on the step-by-step procedures when simplifying numerical expressions, simplifying algebraic expressions, and solving equations. The calculator does not give the answer, however it does inform the student if the procedure is correct.

**#75 Challenge Based Research (Research)**

Megan Sample - Full Sail University, Student, [hippiemii@fullsail.edu](mailto:hippiemii@fullsail.edu)

Time: Thursday 3:05 - 4:15

Location: City Terrace 8

A review of the 12-month research project I completed. I will include ways to motivate and engage your students.

**#76 Create Foolproof Foldables® using templates - topics are equations of lines and special right triangles. (High School)**

*Ninamarie Sapuppo - Florida State University Schools, Secondary Math Instructor*

[nsapuppo@fsu.edu](mailto:nsapuppo@fsu.edu)

Time: Thursday 3:05 - 4:15

Location: City Terrace 9

In this session, you will use fill-in templates to create 2 different Foldables®. Topics include equations of lines and special right triangles. Templates are designed to clarify common misconceptions associated with these concepts. Using a template supports the needs of all students. No more inaccurate or illegible Foldables®; with these templates, your students will create a study tool they won't throw away! Many thanks to the talented Dinah Zike for her inspirational Foldables®.

**#77 Figuring the Fun of Figurate Numbers (High School)**

*Vicki Schell - Pensacola State College, District Department Head, [vschell@pensacolastate.edu](mailto:vschell@pensacolastate.edu)*

*Mary Anne Petruska, Pensacola State College*

Time: Thursday 3:05 - 4:15

Location: City Terrace 10

This is a hands-on workshop exploring the algebraic patterns of figurate numbers [square, triangular, pentagonal, tetrahedral, etc.]. Both algebraic thinking and fun physical explorations will be a part of the workshop.

**#78 Differentiating instructions using game board and cards. (General Interest)**

*Lara Tran - GAMSology Educational Games, Inventor, [lara.tran@GAMSology.com](mailto:lara.tran@GAMSology.com)*

Time: Thursday 3:05 - 4:15

Location: City Terrace 11

Using game boards and cards to motivate your students to learn and practice Math.

**#79 Common Core Classroom Activities: Are you ready for the Common Core Standards and the Standards for Mathematical Practice? (Middle Grades)**

*Lisa Goldsmith - Big Ideas Learning, LLC, Florida Math Consultant*

[lgoldsmith@larsontexts.com](mailto:lgoldsmith@larsontexts.com)

Time: Thursday 3:05 - 4:15

Location: City Terrace 12

Through activities in this workshop, participants will learn strategies to engage students and develop the mathematical practices outlined in the Common Core State Standards. These activities will encourage students to think like mathematicians through problem-based interactive learning and will assist students in acquiring the critical knowledge and skills necessary to succeed in college and in their careers. Learn how concepts are developed in-depth with multiple connections in conjunction with computational fluency and flexibility.

**#80 Exploring sequences in Pre-Algebra and Algebra 1 with the TI-Nspire™ (Middle)**

*Beth Smith - Episcopal School of Jacksonville, Coordinator of Instructional Technology and Mathematics Teacher, [smithb@esj.org](mailto:smithb@esj.org)*

Time: Thursday 3:05 - 4:15

Location: Boardroom 2

So much of math involves patterns! The TI-Nspire™ provides a great opportunity to explore arithmetic, geometric, and other types of sequences with our students. Learn how to use a list and spreadsheet page with a data and statistics page to help your students make discoveries. How about a WebQuest to help them investigate Fibonacci Numbers and the Golden Ratio? Leave with a big picture activity ready to be used in your classroom that addresses the Common Core State Standards.

**#81 Diving Deeper into Differentiation using the Next Generation Standards (Grades 3 - 5)**

*Chris Worley - St. Lucie County School Board, Instructional Coach  
[christina.worley@stlucieschools.org](mailto:christina.worley@stlucieschools.org)*

*Kimberly Jay, AP, SLCSB; Tari Sexton, Instructional Coach, SLCSB;  
Victoria Pease, Math Coach, SLCSB*

Time: Thursday 3:05 - 4:15

Location: Boardroom 3

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.

**#82 FCTM Board Members and the FCTM Website (General Interest)**

*Barbara Cavanah - Monroe County School District, [Barbara.Cavanah@KeysSchools.com](mailto:Barbara.Cavanah@KeysSchools.com)*

Time: Thursday 3:05 - 4:15

Location: Boardroom 4

Hands-on sessions for FCTM board members to learn how to edit their Fusionpages on the new FCTM website.

# OPENING SESSION

River Terrace 1  
5:00 – 6:30 pm  
Featuring a Keynote Address  
from Steve Leinwand

Steve Leinwand is a Principal Research Analyst at AIR and has over 30 years of leadership positions in mathematics education. He currently serves as mathematics expert on a wide range of AIR projects that evaluate programs, develop assessments and provide technical assistance. Steve is also an author of several mathematics textbooks and has written numerous articles.

Leinwand's work at AIR has included developing specifications and an Algebraic Reasoning item pool for the NCES High School Longitudinal Study; serving as Implementation Task Leader for the IES Mathematics Professional Development Impact Study; co-authoring "What the United States Can Learn from Singapore's World-Class Mathematics System (and what Singapore can learn from the United States"; and co-authoring a comparison of the 2007 Grade 3 assessments administered in Hong Kong and in Massachusetts.

His books, Sensible Mathematics: A Guide for School Leaders and Accessible Mathematics: 10 Instructional Shifts That Raise Student Achievement were published by Heinemann in 2000 and 2009 respectively.

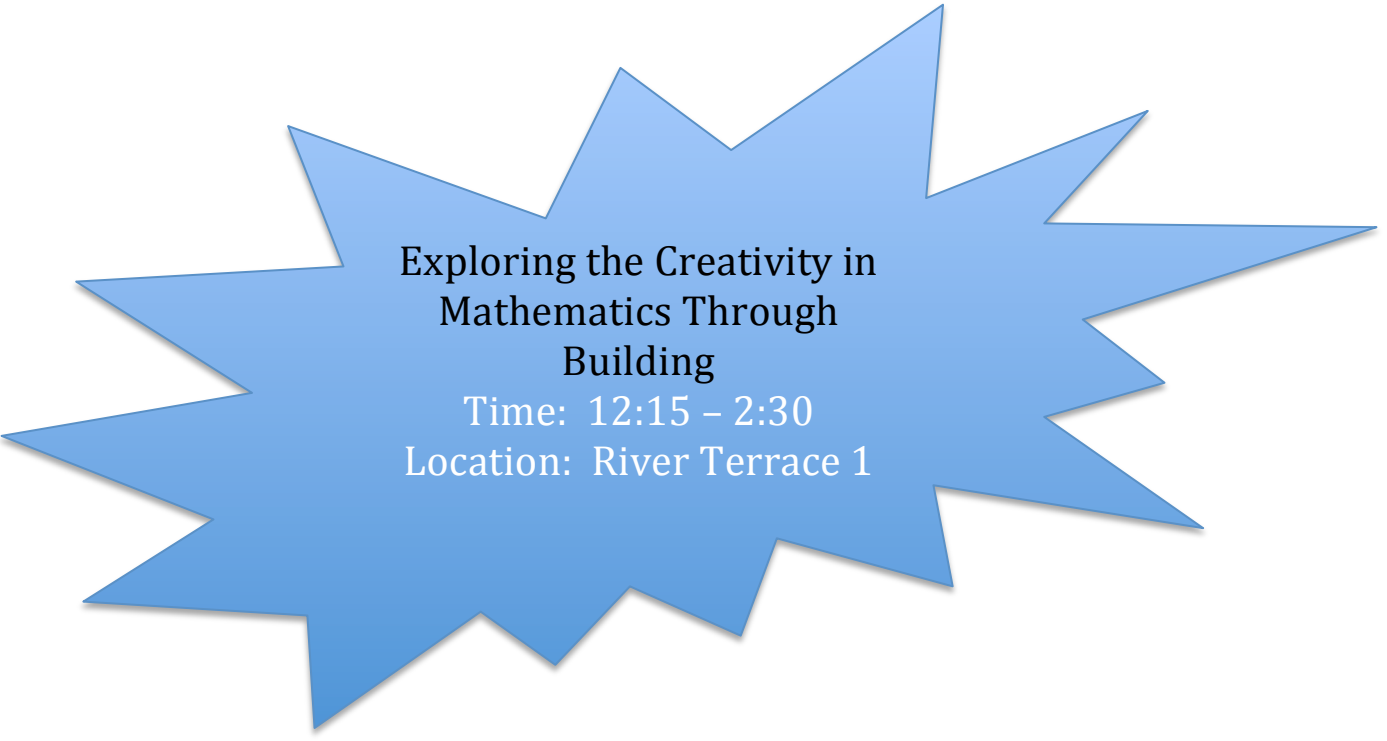
# **Don't Miss These Two Special Featured Friday Sessions with Mathemusician Vi Hart!**



**Exploring Symmetry**

Time: 8:30 – 10:00

Location: River Terrace 1



**Exploring the Creativity in  
Mathematics Through  
Building**

Time: 12:15 – 2:30

Location: River Terrace 1

**#84 Our Greatest Challenge: Motivating the Special Needs Students to Become Confident Mathematicians. (Grades 3 – 5)**

*Shirley Bradsby - Jefferson Ct. Schools, consultant, [lsbradsby@hotmail.com](mailto:lsbradsby@hotmail.com)*

Time: Friday 8:00 - 9:10

Location: Clearwater

Are you experiencing difficulty keeping your students with special needs in the regular classroom motivated? Do you need alternative strategies? Using the NCTM 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. Sample activities for teachers to use with their students will be provided. A model that involves diagnostic assessment to determine student needs will be shown.

**#85 iCPALMS: A Portal for Standards-based Instruction (General Interest)**

*Rabieh Razzouk - FCR-STEM, Associate Director [icpalms@lsi.fsu.edu](mailto:icpalms@lsi.fsu.edu)*

*Danielle Sherdan (FCR-STEM); Melanie Miller (Seminole County Public Schools)*

Time: Friday 8:00 - 9:10

Location: Orlando

You will learn about and try Florida's new web-based system built to support collaborative standards-based planning using collections of vetted resources aligned with Florida's NGSSS, with Common Core coming in the spring. You will learn how to access and incorporate some of the best digital resources into your course plans. Feel free to bring your computer, try it, and give us feedback. We aim to meet your planning needs.

**#86 Let's Improve End Of Course Algebra I Test Results By Providing A Researched-Based Program That Improves Retention And Monitors Learning. (High School)**

*Larry Bradsby - Jefferson Ct. Schools, Consultant, [lsbradsby@hotmail.com](mailto:lsbradsby@hotmail.com)*

Time: Friday 8:00 - 9:10

Location: Daytona

Participants will be actively involved using a researched-based mastery-learning model with intervention techniques. This alternative instructional approach is driven by assessment and hands-on activities around concept development, practice and problem-solving. Investigate a management model to diagnose student needs, select appropriate instruction, evaluate learning, and provide corrective instruction. Leave with ideas that can be immediately implemented in your diversified classroom.

**#87 Modern Day Problem Solving using the Internet! (General Interest)***Pamela Guyton - Lake Nona Middle School, Middle School Math Teacher*[pamela.guyton@ocps.net](mailto:pamela.guyton@ocps.net)

Time: Friday 8:00 - 9:10

Location: St. Johns

Learn how to pose real world problems to your students without the data! Students are engaged and develop true comprehension of word problems when they are encouraged to utilize their digital skills to problem solve! Be ready for a paradigm shift in your thinking! Come to this session if you're ready to reach into today's students' world to facilitate mastery of NGSSS!

**#88 Taking Student Notebooks to a New Dimension with Notebook Foldables® (General Interest)***Nancy Wisker - Dinah Zike Academy, Director of Math and Science, [sara@dinah.com](mailto:sara@dinah.com)*

Time: Friday 8:00 - 9:10

Location: City Terrace 4

Recharge your students' notebooks and turn on the motivation factor with Notebook Foldables®. Discover how to transform student notebooks into dimensional, individualized, and brain-smart tools that give students opportunities to immerse themselves in learning visually and kinesthetically as they organize information to achieve more personal, authentic communication and lasting meaning. Whether it's chapter summaries, learning academic vocabulary, memorizing formulas, or practicing computations, Notebook Foldables® provide students with a means of organizing not only their thought processes, but also their materials.

**#89 "Yes, But Can they Communicate Their Thinking?" (Grades 3 – 5)***Cathy Marks Krpan - OAME Professor, [cmarkskrpan@aol.com](mailto:cmarkskrpan@aol.com)*

Time: Friday 8:00 - 9:10

Location: City Terrace 5

Do you find it challenging to teach your students how to communicate their mathematical understanding? During this workshop you will explore practical strategies that you can use to teach your students key communication skills in mathematics. We will explore activities that promote talk, writing, the use of images and mathematical problem solving K-8. You will be able to use these ideas in your classroom tomorrow! We will also explore how picture books can be used to initiate insightful mathematical conversations.

**#90 Student Guided Math Centers (Grades K – 2)***Rich Stuart - Learning Wrap-ups, Inc., Vice President, [rich@learningwrapups.com](mailto:rich@learningwrapups.com)*

Time: Friday 8:00 - 9:10

Location: City Terrace 6

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



**#91 Differentiating instructions using game board and cards. (General Interest)***Lara Tran - GAMSology Educational Games , Inventor, [lara.tran@GAMSology.com](mailto:lara.tran@GAMSology.com)*

Time: Friday 8:00 - 9:10

Location: City Terrace 7

Using game boards and cards to motivate your students to learn and practice Math.

**#92 M&M's and More - Data Analysis for Middle School Grades Using the TI-Nspire™. (Middle Grades)***Beth Smith - Episcopal School of Jacksonville, Coordinator of Instructional Technology and Mathematics Teacher, [smithb@esj.org](mailto:smithb@esj.org)*

Time: Friday 8:00 - 9:10

Location: City Terrace 8

We will use the TI-Nspire™ and the TI-Nspire™ Navigator™ System to collect and analyze data. Numerical and Categorical data will be explored. Connections between ratios, decimals, percents, and degrees in a circle will be made. Learn the basics of the list and spreadsheets page and how to create a pie chart and a bar chart using the data and statistics page. Leave with a big picture activity ready to be used in your classroom that addresses the CCSS.

**#93 Playing with Place Value (Grades 3 – 5)***Mary Anne Petruska - Pensacola State College, Professor, [mpetruska@pensacolastate.edu](mailto:mpetruska@pensacolastate.edu)  
Vicki Schell*

Time: Friday 8:00 - 9:10

Location: City Terrace 9

Hands-on activities to develop conceptual understanding of place value and numeration systems, decimal and non-decimal systems.

**#94 The Standards Are Changing, Are You? (Grades 3 - 5)***Debbie Perry - Palm Beach, Math Resource Teacher, [debbie.perry@palmbeachschools.org](mailto:debbie.perry@palmbeachschools.org)  
Regina Belcher*

Time: Friday 8:00 - 9:10

Location: City Terrace 10

Despite the many changes around us, there are many constants like knowing your students and how to help them understand the math deeply. Come experience rigorous activities with flexible numbers, open number line, Geometry Vocabulary, and the Distributive Property through strategies, problem solving, and discourse.

**#95 Problems and Projects in the Algebra Curriculum (High School)***Martin Cohen - Holt McDougal, Retired, [mpc2@pitt.edu](mailto:mpc2@pitt.edu)*

Time: Friday 8:00 - 9:10

Location: City Terrace 11

Problems and Projects to motivate the learning of algebraic concepts (Algebra 1 and 2) will be presented.

**#96 Linear Regression : Embrace Its Uses, But Avoid Its Abuses (High School)***Kenn Pendleton - Montgomery College, Mathematics Adjunct Professor, [kennmg@aol.com](mailto:kennmg@aol.com)*

Time: Friday 8:00 - 9:10

Location: City Terrace 12

Linear regression is a powerful tool for statistics, but its use and interpretations from its use must be conducted wisely. All data sets and relevant slides will be shared with the audience.

**#40 Activities and Resources for Implementing CCSS in Kindergarten (Grades K – 2)***Linda Walker - Self Employed - Education Consultant, [lindawalker3107@comcast.net](mailto:lindawalker3107@comcast.net)*

Time: Friday 8:00 - 9:25

Location: Boardroom 2

A diligent search for games and activities aligned to benchmarks found in CCSS but not NGSSS for Kindergarten has produced some jewels. I'd love to share them with you.

**#147 Math Works! Games, Puzzles and Diversions to Embellish State and National Standards (Grades 3-5)***John Hinton - Math Matters, Inc., President – Consultant, [mathgames@mathmattersinc.com](mailto:mathgames@mathmattersinc.com)*

Time: Friday 8:00 - 9:10

Location: Boardroom 3

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.

**#98 What's Up with the FCAT 2.0? (Grades 3 - 5)**

*Linda Oaksford - Test Development Center, Content Specialist, [oaksfordl@leonschools.net](mailto:oaksfordl@leonschools.net)*

*Chris Harvey – Test Development Center*

Time: Friday 9:25 - 10:35

Location: Clearwater

The Test Development Center will provide an update on the FCAT 2.0 Mathematics assessments for grades 3-5 and identify some areas that are most difficult for our students. Sample items will be shared throughout the presentation.

**#99 iCPALMS: A Portal for Standards-based Instruction (General Interest)**

*Rabieh Razzouk - FCR-STEM, Associate Director, [icpalms@lsi.fsu.edu](mailto:icpalms@lsi.fsu.edu)*

*Danielle Sherdan (FCR-STEM); Melanie Miller (Seminole County Public Schools)*

Time: Friday 9:25 - 10:35

Location: Orlando

You will learn about and try Florida's new web-based system built to support collaborative standards-based planning using collections of vetted resources aligned with Florida's NGSSS, with Common Core coming in the spring. You will learn how to access and incorporate some of the best digital resources into your course plans. Feel free to bring your computer, try it, and give us feedback. We aim to meet your planning needs.

**#100 Florida's State of the State for Mathematics - Guidelines for Elementary Mathematics Educators in Florida (Grades 3 – 5)**

*Jennifer Winchester - Florida Department of Education, Mathematics Curriculum Specialist*

*[Jennifer.Winchester@fldoe.org](mailto:Jennifer.Winchester@fldoe.org)*

Time: Friday 9:25 - 10:35

Location: Daytona

This presentation will include a Common Core Implementation Overview, Goals and a Plan of Action for Mathematics in the State of Florida, the State of the State of Mathematics Summary, and finish with a Question and Answer time for teachers.

**#101 Manipulatives for Mathematical Practices (General Interest)**

*Sara Moore - ETA/Cuisenaire, Director of Mathematics & Science*

*[smoore@etacuisenaire.com](mailto:smoore@etacuisenaire.com)*

Time: Friday 9:25 - 10:35

Location: St. Johns

A critical component of the Common Core State Standards is the integration of mathematical practices (what mathematicians do) with mathematics content (what mathematics students must learn) in instruction. Learn how hands-on instruction with manipulatives can make the mathematical practices come alive in the classroom.

**#102 Academic Games Challenges for Elementary and Middle Students (Elementary and Middle Grades)***Cecil Phibbs -AD Henderson University School, Instructor, [cphibbs@fau.edu](mailto:cphibbs@fau.edu)**Brianne Tuzzolino*

Time: Friday 9:25 - 10:35

Location: City Terrace 4

Learn to play EQUATIONS, which challenges players and teams to learn more mathematics and use their skills and creativity to compete against other schools. Possible League formation in your District, leading to State and National Championships.

**#103 Fraction Sense: Building Conceptual, Procedural and Problem-solving Ability with Free Online Tools (Grades 3 – 5)***Lauri Susi -Conceptual Math , Director of Professional Development**[lsusi@conceptuamath.com](mailto:lsusi@conceptuamath.com)*

Time: Friday 9:25 - 10:35

Location: City Terrace 5

Online technology tools are not all of equal quality. However well designed online tools can be powerful in facilitating conceptual understanding, discourse and problem solving. Learn how to scaffold the teaching and learning of fractions by focusing on the big ideas using multiple representations, manipulatives and technology. Strategies for integrating the use of language and discourse to make fractions accessible for all learners including English language learners and students with special needs will be presented.

**#104 Student Guided Math Centers (Grades K – 2)***Rich Stuart - Learning Wrap-ups, Inc., Vice President, [rich@learningwrapups.com](mailto:rich@learningwrapups.com)*

Time: Friday 9:25 - 10:35

Location: City Terrace 6

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

**# 106 M&M's and More - Data Analysis for Middle School Grades Using the TI-Nspire™.***Beth Smith - Episcopal School of Jacksonville, Coordinator of Instructional Technology and Mathematics Teacher, [smithb@esj.org](mailto:smithb@esj.org)*

Time: 9:25 - 10:35

Location: City Terrace 8

We will use the TI-Nspire™ and the TI-Nspire™ Navigator™ System to collect and analyze data. Numerical and Categorical data will be explored. Connections between ratios, decimals, percents, and degrees in a circle will be made. Learn the basics of the list and spreadsheets page and how to create a pie chart and a bar chart using the data and statistics page. Leave with a big picture activity ready to be used in your classroom that addresses the CCSS.

**#107 Playing with Place Value (Grades 3 – 5)**

Mary Anne Petruska - Pensacola State College, Professor, [mpetruska@pensacolastate.edu](mailto:mpetruska@pensacolastate.edu)  
 Vicki Schell

Time: Friday 9:25 - 10:35

Location: City Terrace 9

Hands-on activities to develop conceptual understanding of place value and numeration systems, decimal and non-decimal systems.

**#108 The Standards Are Changing, Are You? (Grades 3 - 5)**

Debbie Perry - Palm Beach, Math Resource Teacher, [debbie.perry@palmbeachschools.org](mailto:debbie.perry@palmbeachschools.org)  
 Regina Belcher

Time: Friday 9:25 - 10:35

Location: City Terrace 10

Despite the many changes around us, there are many constants like knowing your students and how to help them understand the math deeply. Come experience rigorous activities with flexible numbers, open number line, Geometry Vocabulary, and the Distributive Property through strategies, problem solving, and discourse.

**#109 Problems and Projects in the Algebra Curriculum (High School)**

Martin Cohen - Holt McDougal, Retired, [mpc2@pitt.edu](mailto:mpc2@pitt.edu)

Time: Friday 9:25 - 10:35

Location: City Terrace 11

Problems and Projects to motivate the learning of algebraic concepts (Algebra 1 and 2) will be presented.

**#110 Linear Regression : Embrace Its Uses, But Avoid Its Abuses (High School)**

Kenn Pendleton - Montgomery College, Mathematics Adjunct Professor, [kennmg@aol.com](mailto:kennmg@aol.com)

Time: Friday 9:25 - 10:35

Location: City Terrace 12

Linear regression is a powerful tool for statistics, but its use and interpretations from its use must be conducted wisely. All data sets and relevant slides will be shared with the audience.

**#190 Effective Math Instruction (Grades 3 – 5)**

Ron Large - Cornerstone Charter Academy, Principal, [largerthanlifeinc@msn.com](mailto:largerthanlifeinc@msn.com)

Time: Friday 9:25 - 10:35

Location: Boardroom 2

Presenter will demonstrate a variety of instructional techniques and best practices that significantly improve math achievement. Activities include vocabulary building through rhythm, high-interest lessons and research-based strategies.

**#158 Math Works! Games, Puzzles and Diversions to Embellish State and National Standards (Grades 3-5)**

John Hinton - Math Matters, Inc., President – Consultant, [mathgames@mathmattersinc.com](mailto:mathgames@mathmattersinc.com)

Time: Friday 9:25 - 10:35

Location: Boardroom 3

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.

## **FREE ARTISTS OF OFF THE GRID TOUR**

Artists of Off the Grid Galleries at the Jacksonville Landing invite you to be part of an exclusive evening for the Florida Council of Teachers of Mathematics. Four galleries will be open **Friday, October 14, 6:30 – 8:30 p.m.** The galleries are located inside the Jacksonville Landing on the west end. **Wine and light refreshments will be served.** Artists will be on hand to discuss their work. The galleries are as follows:

The Adrian Pickett Gallery is an eponymous Fine Art Gallery of one of the nation's best charcoal portrait artists, Adrian Pickett Jr. The Elemental Gallery features a wide variety of art including sculpture, ceramics, jewelry, fiber arts, collage, as well as traditional and contemporary art expressions. The Bee Gallery is a Contemporary Art Gallery and Design Studio featuring modern, low brow, pop surreal, cubist and abstract art. And Pono Visual Expressions offers exquisite photography from Hungarian artist Istvan Pono. His photographic subjects are figurative, landscapes and abstractions based on real life surfaces.

After the Off the Grid artist reception, enjoy dinner with your friends at one of the many great restaurants at the Jacksonville Landing.

**#111 What's Up with the FCAT 2.0? (Middle Grades)**

*Susan Cornwell - Test Development Center, Content Specialist, [cornwells@leonschools.net](mailto:cornwells@leonschools.net)  
Chris Harvey – Test Development Center*

Time: Friday 10:50 - 12:00

Location: Clearwater

The Test Development Center will provide an update on the FCAT 2.0 Mathematics assessments for grades 6-8 and identify some areas that are most difficult for our students. Sample items will be shared throughout the presentation.

**#112 Update for FCTM on Race to the Top Assessments (General Interest)**

*June Campbell - Office of Race to the Top Assessments, Math Content Specialist  
[campbellj@fldoe.org](mailto:campbellj@fldoe.org)*

Time: Friday 10:50 - 12:00

Location: Orlando

The Florida Department of Education's Race to the Top (RTTT) Assessment Office will provide an update regarding the development of mathematics assessments for non-FCAT grade levels and courses and the Florida Interim Assessment Item Bank and Test Platform. This platform will be available for teacher and district use to provide assessments in academic year 2013 - 14.

**#113 Florida's 2011 State of the State for Mathematics - Guidelines for Middle School Mathematics Educators in Florida (Middle Grades)**

*Jennifer Winchester - Florida Department of Education, Mathematics Curriculum Specialist  
[Jennifer.Winchester@fldoe.org](mailto:Jennifer.Winchester@fldoe.org)*

Time: Friday 10:50 - 12:00

Location: Daytona

This presentation will include a Common Core Implementation Overview, Goals and a Plan of Action for Mathematics in the State of Florida, the State of the State of Mathematics Summary, and finish with a Question and Answer time for teachers.

**#114 Problem Solving and the Mathematical Practices (Grades 3 – 5)**

*Sara Moore - ETA/Cuisenaire, Director of Mathematics & Science  
[smoore@etacuisenaire.com](mailto:smoore@etacuisenaire.com)*

Time: Friday 10:50 - 12:00

Location: St. Johns

“Make sense of problems and persevere in solving them.” This first mathematical practice from the Common Core State Standards (CCSS) can serve as an organizer for implementing the mathematical practices, an excellent first step for teachers making the transition to teaching with the CCSS. A focus on problem solving also integrates the mathematical practices with mathematics content for richer and more effective mathematics instruction. Learn how incorporating a problem solving component in the mathematics classroom can bring these elements together.



**#115 Pi -The Irrational Number With a Handful of Rational Activities (Elem/Middle)***Cecil Phibbs - AD Henderson University School, Instructor, [cphibbs@fau.edu](mailto:cphibbs@fau.edu)**Brianne Tuzzolino*

Time: Friday 10:50 - 12:00

Location: City Terrace 4

Games, Projects, and activities to get your students celebrating Pi Day in your classroom and in your school. Participants will complete hands on activities and materials will be distributed.

**#117 Accountable Talk (Grades 3 – 5)***Laura Burrell – Duval County Public Schools, Math Coach, [lauraburrell@live.com](mailto:lauraburrell@live.com)*

Time: Friday 10:50 - 12:00

Location: City Terrace 6

Learn how to utilize accountable talk in the classroom to engage students in productive dialogue versus simple question response conversations.

**#118 Multidimensional Understanding of the Common Core Standards: A Tool for Assessment (Grades 3 – 5)***Sarah Bleiler - University of South Florida, Graduate Student/ Instructor**[sbleiler@mail.usf.edu](mailto:sbleiler@mail.usf.edu)**Denisse R. Thompson - University of South Florida*

Time: Friday 10:50 - 12:00

Location: City Terrace 7

Have you thought about how you will align classroom assessment with the Common Core State Standards (CCSS)? In this session, you will learn how to apply the SPUR framework (Skills, Properties, Uses, and Representations) to create or modify assessments that help you gauge students' multidimensional understanding of the CCSS.

**#119 FAMTE Meeting (College Educators)***Cassandra Etgeton, FAMTE President, [cetgeton@unf.edu](mailto:cetgeton@unf.edu)*

Time: Friday 10:50 - 12:00

Location: City Terrace 8

**#120 Powerful Ways to Differentiate Mathematics Instruction (Grades 3 – 5)***Thomasenia Lott Adams - University of Florida, Professor, [tla@coe.ufl.edu](mailto:tla@coe.ufl.edu)*

Time: Friday 10:50 - 12:00

Location: City Terrace 9

The presenter will provide clarification for differentiated mathematics instruction by engaging participants in a diversity of ways to differentiate mathematics instruction. Methods used will accommodate principles of the NGSSS and the CCSS for mathematics.

**#121 What Do Dwight Howard and an Earthquake Have in Common? (High School)***Lyn Orletsky - Titusville High School, Teacher, [orletsky.lyn@brevardschools.org](mailto:orletsky.lyn@brevardschools.org)*

Time: Friday 10:50 - 12:00

Location: City Terrace 10

Using data analysis, technology, and new graphing techniques, students will explore relationships of logarithms and exponents in real world context.

**#122 Translations: Are pre-service teachers making connections? (Research)***Vanessa Pitts Bannister - University of South Florida Polytechnic, Assistant Professor, Mathematics Education and Mathematics, [pittsbannister@poly.usf.edu](mailto:pittsbannister@poly.usf.edu)*

Time: Friday 10:50 - 12:00

Location: City Terrace 11

The presentation will involve (1) a working session with 5 problems involving translations, (2) a discussion of data from pre-service teachers and (3) a discussion of student data.

**#123 Picture Yourself Having Fun at Middle Grades Math (Middle Grades)***Mary Robertson - Edison State College, Professor of Mathematics Education*[marobertson@edison.edu](mailto:marobertson@edison.edu)

Time: Friday 10:50 - 12:00

Location: City Terrace 12

Use photography to incorporate real-world situations into your mathematics classroom. Use pictures to reinforce concepts involving geometric shapes, areas, volumes similar objects, transformations, as well as to reinforce conic sections, Pythagorean theorem, slope and much more. Participants will receive a complementary CD containing ready to use examples.

**#191 Effective Math Instruction (Grades 3 – 5)***Ron Large - Cornerstone Charter Academy, Principal, [largerthanlifeinc@msn.com](mailto:largerthanlifeinc@msn.com)*

Time: Friday 10:50 - 12:00

Location: Boardroom 2

Presenter will demonstrate a variety of instructional techniques and best practices that significantly improve math achievement. Activities include vocabulary building through rhythm, high-interest lessons and research-based strategies.

**#125 What's Up with the Algebra 1 and Geometry End-of-Course Assessments? (High School)**

*Terri Sebring - Test Development Center, Content Specialist, [sebringt@leonschools.net](mailto:sebringt@leonschools.net)*

*Chris Harvey - Test Development Center*

Time: Friday 12:15 - 1:25

Location: Clearwater

The Test Development Center will provide an update on the Algebra 1 and Geometry End-of-Course assessments and identify some areas that are most difficult for our students. Sample items will be shared throughout the presentation.

**#126 Update for FCTM on Race to the Top Assessments (General Interest)**

*June Campbell - Office of Race to the Top Assessments, Math Content Specialist*

*[campbellj@fldoe.org](mailto:campbellj@fldoe.org)*

Time: Friday 12:15 - 1:25

Location: Orlando

The Florida Department of Education's Race to the Top (RTTT) Assessment Office will provide an update regarding the development of mathematics assessments for non-FCAT grade levels and courses and the Florida Interim Assessment Item Bank and Test Platform. This platform will be available for teacher and district use to provide assessments in academic year 2013 - 14.

**#127 Discreet Mathematics: Definitions and Explorations-Elementary through High School (General Interest)**

*Paige Allison - University of Florida COE - PK Yonge, DRS Faculty, [pallison@pky.ufl.edu](mailto:pallison@pky.ufl.edu)*

*George Pringle*

Time: Friday 12:15 - 1:25

Location: Daytona

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

**#128 Math in the Movies (High School)**

*Natalie Angelis - Lake Nona High School Orange County, Math Teacher*

*[natalie.angelis@ocps.net](mailto:natalie.angelis@ocps.net)*

Time: Friday 12:15 - 1:25

Location: St. Johns

Use movie connections with specific math connections to teach students about math. Accompanying worksheets allow students to practice the concepts learned. Teachers, come learn another differentiated instruction method!

**#129 The Effect of Technology on Students' Problem Solving Strategies. (High School)***Sirin Coskun – USF, Post-doctorate, [sirincoskun@gmail.com](mailto:sirincoskun@gmail.com)*

Time: Friday 12:15 - 1:25

Location: City Terrace 4

Learn the effect of technology on students' visual and nonvisual problem solving strategies. Come and explore students' preferences for thinking with and without technology while solving algebra word problems.

**#130 Using Mimio-Connect for Data-Collection and Reporting in the Middle Grades Classroom (Middle Grades)***Nancy Cerezo, Assistant Professor, [nancy.cerezo@saintleo.edu](mailto:nancy.cerezo@saintleo.edu)*

Time: Friday 12:15 - 1:25

Location: City Terrace 5

Are you looking for creative ways for students to collect data for your Statistics Unit? Do you enjoy utilizing technology into your classroom presentations? This session will demonstrate how to incorporate the use of the Mimio with the Mimio Vote to collect data in the classroom. Students may also create a Mimio Notebook to present their data results. This is an engaging way for students to use technology in the classroom.

**#131 Teamwork-Predicting and Modeling Motion with Mathematics to Make Connections (High School)***Margaret Bambrick - Volusia County Schools, Math Specialist, [mbambric@volusia.k12.fl.us](mailto:mbambric@volusia.k12.fl.us)*

Time: Friday 12:15 - 1:25

Location: City Terrace 6

Teachers will participate in hands-on learning with collaborative groups to create investigations with a motion detector (CBR2) and the TI-Nspire CX. Let's help our students make connections and understand how to collect, then model a set of data values with a function and interpret the meaning. Formative assessment techniques will be shared with the use of interactive technology.

**#132...3, 2, 1 Blast Off! On a mission to create a space week. (Grades K – 2)***Kristen Appleby - University of Florida, Graduate Student, [kappleby2@ufl.edu](mailto:kappleby2@ufl.edu)**Rich Busi, University of Florida*

Time: Friday 12:15 - 1:25

Location: City Terrace 7

This session will provide participants with the opportunity to learn about five hands-on activities that incorporate mathematics with a Space twist. Participants will have the opportunity to try out math activities related to space such as Alien Eyes, Tangram Rocket, and Alien Invasion which promote number sense, geometry, and problem solving. Increase mathematical understanding and build enthusiasm toward learning math by incorporating activities about Space.

### **#133 What Are We Really Thinking in Reading and Mathematics, and How Do Those Processes Fit Together? (General Interest)**

*Marty Hopkins – UCF, Professor, [marty.hopkins@ucf.edu](mailto:marty.hopkins@ucf.edu)*

*Karri Williams – UCF, Associate Professor*

Time: Friday 12:15 - 1:25

Location: City Terrace 8

Presenters will share their research involving the search for a common set of processes involved in learning to solve math problems and understanding text. If common ground can be found, it may be possible for teachers to help children improve their problem-solving and reading comprehension while implementing teaching strategies that address each simultaneously, thus resulting in efficient and effective teaching. Presenters will engage audience in think alouds similar to the four tasks performed by the experts.

### **#134 Using Origami Projects to Explore Mathematics Ideas (Grades 3 - 5)**

*Enrique Ortiz - University of Central Florida, Associate Professor, [Enrique.Ortiz@ucf.edu](mailto:Enrique.Ortiz@ucf.edu)*

Time: Friday 12:15 - 1:25

Location: City Terrace 9

We will construct different origami projects and explore possible ways the students could learn mathematics through them. Topics will include geometric terms, fractions and exponents. The handouts used in this presentation were developed by the presenter to facilitate the students' construction of the origami models.

### **#135 Picture Yourself Having Fun at Math (High School)**

*Mary Robertson - Edison State College, Professor of Mathematics Education*

[marobertson@edison.edu](mailto:marobertson@edison.edu)

Time: City Terrace 10

Location: Friday 12:15 - 1:25

Use photography to incorporate real-world situations into your mathematics classroom. Use pictures to reinforce concepts involving geometric shapes, areas, volumes similar objects, transformations, as well as to reinforce conic sections, Pythagorean theorem, slope and much more. Participants will receive a complementary CD containing ready to use examples.

### **#136 Math Teachers Know All the Angles (Middle Grades)**

*Vicki Schell - Pensacola State College, District Department Head, [vschell@pensacolastate.edu](mailto:vschell@pensacolastate.edu)*

*Mary Anne Petruska, Professor*

Time: Friday 12:15 - 1:25

Location: City Terrace 11

This is an activity-based workshop, in which activities are designed to develop conceptual understanding of the angle concept, as well as measurement skills.

**#137 Box-and-Whisker Plots in Real-World Situations Using TI-SmartView Software (Middle Grades)**

*Lisa Phillips - Florida State University School, Math Instructor, [lgphilli@fsu.edu](mailto:lgphilli@fsu.edu)*

Time: Friday 12:15 - 1:25

Location: City Terrace 12

This session will feature a lesson plan designed to help students learn the value of box-and-whisker plots in real-world situations. Participants will measure heights and record the results using TI-SmartView emulator software. The results will be used to compare with their hand drawn charts. Finally - a discussion of how to relate these graphs to real world situations."

**#138 Build It, Draw It, Write It, Talk it ... OWN IT!! "Go Deep" to Address the new Common Core Standards (Elementary)**

*Rudy Neufeld - Neufeld Learning Systems, Author/CEO/Founder, [rneufeld@neufeldmath.com](mailto:rneufeld@neufeldmath.com)*

Time: Friday 12:15 – 1:25

Location: Boardroom 2

We will explore methods to "hook" students with different abilities to deeper conceptual understanding in mathematics. We will model specific lessons addressing concepts within the elementary math common core state standards involving a variety of resources. In some of our lessons we will also model all 3 tiers in an inclusive RTI model of differentiated instruction.

### **#139 Empowering Young Learners through the Standards for Mathematical Practice (Grades 3 – 5)**

*Juli Dixon - University of Central Florida, Professor, [juli.dixon@ucf.edu](mailto:juli.dixon@ucf.edu)*

Time: Friday 1:40 - 2:50

Location: Orlando

As teachers begin to settle in with the Next Generation Sunshine State Standards, sights have already been set on the Common Core State Standards. The Standards for Mathematical Practice are an important part of the Common Core. Engaging students with the Standards for Mathematical Practice within the NGSSS provides opportunities to begin to make sense of the Common Core while implementing the NGSSS. This session provides a window into how the mathematical practices can empower young learners.

### **#140 Florida's 2011 State of the State for Mathematics - Guidelines for High School Mathematics Educators in Florida (High School)**

*Jennifer Winchester - Florida Department of Education, Mathematics Curriculum Specialist  
[Jennifer.Winchester@fldoe.org](mailto:Jennifer.Winchester@fldoe.org)*

Time: Friday 1:40 - 2:50

Location: Daytona

This presentation will include a Common Core Implementation Overview, Goals and a Plan of Action for Mathematics in the State of Florida, the State of the State of Mathematics Summary, and finish with a Question and Answer time for teachers.

### **#141 Cardboard Boat Building in Math Class (Middle Grades)**

*Chris Fennell, Oasis Charter Middle School Math Teacher  
[christopher.fennell@capecharterschools.org](mailto:christopher.fennell@capecharterschools.org)*

Time: Friday 1:40 - 2:50

Location: St. Johns

Building a lifesize cardboard boat in eighth grade gives students and teachers the opportunity to assess and apply major Florida state standards from grades 6-8 in a project-based learning environment. This session will include the process we went through, student samples, as well as the mathematical processes. Interdisciplinary connections will also be presented. The use of Google Sketch Up will also be discussed.

### **#142 Geocaching in the Classroom - Using Multi-Million Dollar Satellites to Find Tupperware in the Woods. (Elementary and Middle Grades)**

*Cecil Phibbs - AD Henderson University School, Instructor, [cphibbs@fau.edu](mailto:cphibbs@fau.edu)  
Brienne Tuzzolino*

Time: Friday 1:40 - 2:50

Location: City Terrace 4

See how to incorporate this high tech scavenger hunt into your math curriculum and also how to cross over into Social Studies with concepts of Latitude and Longitude.



**#143 Math: Let's Sum It Up! (Grades 3 – 5)***Julie Teague - Learning Wheels, Inc., Co-Owner, [julie.teague@learningwheels.com](mailto:julie.teague@learningwheels.com)*

Time: Friday 1:40 - 2:50

Location: City Terrace 5

Making the connection between what our students SHOULD know and what they DO know can be a challenge and teaching to students with varied abilities can stump even the best of us! Come join in the fun as we look at ways to differentiate instruction, integrate vocabulary and have a blast with math! This hands-on session will give you great ideas to take back to your classroom or campus and remind you just how much fun teaching math can be! We can bridge the gap between what they should know and do know, if we work together to sum it up!

**#144 10 Days to Multiplication Mastery (Grades 3 – 5)***Rich Stuart - Learning Wrap-ups, Inc., Vice President, [rich@learningwrapups.com](mailto:rich@learningwrapups.com)*

Time: Friday 1:40 - 2:50

Location: City Terrace 6

Introduce, practice and learn Multiplication tables in 10 Days using the power of Commutative Properties.

**#145 Are Mathematical Processes Visible or Invisible in Your Classroom Assessments? (Grades 3 – 5)***Barbara Zorin - Private Consultant, Owner, [DrBZorin@gmail.com](mailto:DrBZorin@gmail.com)**Denisse R. Thompson, USF; Patricia D. Hunsader, USF, Sarasota-Manatee*

Time: Friday 1:40 - 2:50

Location: City Terrace 7

Mathematical processes provide insight into students' thinking to inform instruction. Participants will have an opportunity to apply a framework to analyze the assessments accompanying published curricula, discuss implications of the analysis, and discuss how to modify items to better reflect important mathematical processes.

**#146 Exploring Euclidean Geometry with Taxicab Geometry and GeoGebra (High School)***Erhan Selcuk Haciomeroglu - University of Central Florida, Assistant Professor**[Erhan.Haciomeroglu@ucf.edu](mailto:Erhan.Haciomeroglu@ucf.edu)**Cheryl Avila & Zyad Bawatneh, - University of Central Florida*

Time: Friday 1:40 - 2:50

Location: City Terrace 8

Taxicab Geometry is a non-Euclidean geometry in which distance is determined not as the crow flies, but as a taxicab drives in an ideal city with a rectangular grid of streets. Participants will make connections between Euclidean and non-Euclidean geometries by exploring rich tasks of Taxicab geometry with GeoGebra. Come explore activities and strategies to help your students deepen their understandings of Geometry concepts.

**#190 All Really Need to Know About Math, I Learned in Kindergarten (Pre K – 3)***Chris Ruda - Teachers Teaching with Technology (T3), [cruda@juno.com](mailto:cruda@juno.com)*

Time: Friday 1:40 - 2:50

Location: City Terrace 9

Robert Fulghum knew the importance of a good foundation for learning. Discover how the SMART Board™, TI technology, manipulatives, and the NGSSS can build understanding for K-5 students while making math fun! Experience hands-on activities.

**#148 Math and Literacy Instruction: Connecting Instruction for Greater Impact (Grades K – 2)***Toni Backstrom - Cambium Learning Sopris, Strategic Account Executive*[toni.backstrom@soprislearning.com](mailto:toni.backstrom@soprislearning.com)

Time: Friday 1:40 - 2:50

Location: City Terrace 10

Teachers in primary grades struggle to balance all the critical components of education they are tasked with teaching – literacy, math, science, and social studies. Connecting literacy and math instruction provides an opportunity to provide more instructional time in both areas, advancing student understanding of math concepts while further their reading fluency and comprehension. Join us to learn how to make those connections and apply them in your classroom!

**#149 A Day in the Life of an AP Calculus Reader (High School)***Vicki Schell - Pensacola State College, District Department Head, [vschell@PensacolaState.edu](mailto:vschell@PensacolaState.edu)**Mary Anne Petruska, Professor*

Time: Friday 1:40 - 2:50

Location: City Terrace 11

Vicki has graded AP calculus exams for the past 2 years. She will share the experience, discuss how the grading rubrics are implemented, and offer suggestions for helping your students improve scores. Participants will be able to practice grading actual problems.

**#150 Unpacking the Common Core Standards for Mathematical Practice: Defining, Demonstrating, and Assessing (General Interest)***Mercedes Sotillo - University of Central Florida, Doctoral Student, [mercedes.sotillo@ucf.edu](mailto:mercedes.sotillo@ucf.edu)**Deana Deichert - University of Central Florida*

Time: Friday 1:40 - 2:50

Location: City Terrace 12

Let us help you move from the NGSSS to the CCSS. In this session, participants will be engage in an activity to identify essential mathematical practices for the classroom. The Common Core Content Standards will be examined in order to connect them to at least one mathematical practice. Suggestions for implementation and assessment will be presented and discussed.

## FEATURED SESSION

### The Pursuit of Possibility: Teaching in 3D

Time: Friday 3:00 - 4:30

Location: Clearwater



Math is all about critical thinking. Joe Craven will share his thoughts on the creative process as a metaphor for lateral problem solving and critical thinking. Explore ways to engage your students by reframing the idea of what math is while finding new ways to improvise in the classroom. Experience the movement and rhythm of education by feeling what you are learning. As a musician, Joe has played with everyone from Jerry Garcia to Stephane Grapelli and has performed solo nationwide. He brings his passion for artful living to the education stage with a program that will entertain and inform you, and your teaching. Joe knows today's students will not just change jobs, they will change careers. Instill methods for problem solving, and their possibilities are endless.

#### **#151 Make Every Day Count with Great Discussion at Calendar: Implementing with Good Questioning (Grades K – 5)**

*Patsy Kanter - Houghton Mifflin Harcourt, Author, [Patsy.Kanter@hnhpub.com](mailto:Patsy.Kanter@hnhpub.com)*

Time: Friday 3:05 - 4:15

Location: Orlando

The presenter will model effective questioning and ways to plan for Calendar math to ensure fidelity of implementation.

#### **#152 Tools? Toys? Technology? Engaging Students in Algebra (Middle Grades)**

*Sara Moore - ETA/Cuisenaire, Director of Mathematics & Science*

[smoore@etacuisenaire.com](mailto:smoore@etacuisenaire.com)

Time: Friday 3:05 - 4:15

Location: St. Johns

How do manipulatives and interactive whiteboard technology impact teaching algebra? How can these resources be effectively integrated into mathematics instruction? Where do virtual manipulatives fit in? Learn about the research behind these models of instruction and strategies for integrating manipulatives and IWB tools into your algebra classroom.

**#153 Math Outside the Classroom (Elementary and Middle Grades)***Cecil Phibbs - AD Henderson University School, Instructor, [cphibbs@fau.edu](mailto:cphibbs@fau.edu)**Brianne Tuzzolino*

Time: Friday 3:05 - 4:15

Location: City Terrace 4

Games, Projects, and activities to get your students doing Math in a fun non-textbook way. Handouts and samples will be given out.

**#154 Math: Let's Sum It Up! (Grades 3 – 5)***Julie Teague - Learning Wheels, Inc., Co-Owner, [julie.teague@learningwheels.com](mailto:julie.teague@learningwheels.com)*

Time: Friday 3:05 - 4:15

Location: City Terrace 5

Making the connection between what our students SHOULD know and what they DO know can be a challenge and teaching to students with varied abilities can stump even the best of us! Come join in the fun as we look at ways to differentiate instruction, integrate vocabulary and have a blast with math! This hands-on session will give you great ideas to take back to your classroom or campus and remind you just how much fun teaching math can be! We can bridge the gap between what they should know and do know, if we work together to sum it up!

**#155 10 Days to Multiplication Mastery (Grades 3 – 5)***Rich Stuart - Learning Wrap-ups, Inc., Vice President, [rich@learningwrapups.com](mailto:rich@learningwrapups.com)*

Time: Friday 3:05 - 4:15

Location: City Terrace 6

Introduce, practice and learn Multiplication tables in 10 Days using the power of Commutative Properties.

**#156 Are Mathematical Processes Visible or Invisible in Your Classroom Assessments? (Grades 3 – 5)***Barbara Zorin - Private Consultant, Owner, [DrBZorin@gmail.com](mailto:DrBZorin@gmail.com)**Denisse R. Thompson, USF; Patricia D. Hunsader, USF, Sarasota-Manatee*

Time: Friday 3:05 - 4:15

Location: City Terrace 7

Mathematical processes provide insight into students' thinking to inform instruction. Participants will have an opportunity to apply a framework to analyze the assessments accompanying published curricula, discuss implications of the analysis, and discuss how to modify items to better reflect important mathematical processes.

**#157 Exploring Euclidean Geometry with Taxicab Geometry and GeoGebra (High School)***Erhan Selcuk Haciomeroglu - University of Central Florida, Assistant Professor*[Erhan.Haciomeroglu@ucf.edu](mailto:Erhan.Haciomeroglu@ucf.edu)*Cheryl Avila & Ziad Bawatneh, - University of Central Florida*

Time: Friday 3:05 - 4:15

Location: City Terrace 8

Taxicab Geometry is a non-Euclidean geometry in which distance is determined not as the crow flies, but as a taxicab drives in an ideal city with a rectangular grid of streets. Participants will make connections between Euclidean and non-Euclidean geometries by exploring rich tasks of Taxicab geometry with GeoGebra. Come explore activities and strategies to help your students deepen their understandings of Geometry concepts.

**#181 The Good, the Bad, and the Ugly: Fractions - Teaching with the SMART Board™ and TI Technology (Grades 3 - 8)***Chris Ruda - Teachers Teaching with Technology (T3), [cruda@juno.com](mailto:cruda@juno.com)*

Time: Friday 3:05 - 4:15

Location: City Terrace 9

Fractions don't need to be ugly! Discover how good use of the SMART Board™, TI Technology, manipulatives, and the NGSSS can build conceptual understanding. Participate in hands-on ready-to-use activities.

**#159 Math and Writing Instruction: Connecting Instruction for Increased Achievement (High School)***Toni Backstrom - Cambium Learning Sopris, Strategic Account Executive*[toni.backstrom@soprislearning.com](mailto:toni.backstrom@soprislearning.com)

Time: Friday 3:05 - 4:15

Location: City Terrace 10

The expectations for secondary students are tremendous. By connecting instruction across disciplines, teachers can have a greater impact on increasing their achievement. Teachers can easily adapt math instruction to incorporate writing. Students who can write about their math thinking deepen their understanding of the concepts, retain what they learn for longer periods, analyze/evaluate the mathematical/scientific thinking and strategies of others, and be able to better communicate what they understand using clear and precise language to their peer and teachers.

**#179 Using Geogebra to Explore the Points of Concurrency (High School)***Tashana Howse – University of Central Florida, Doctoral Candidate, [howset@knights.ucf.edu](mailto:howset@knights.ucf.edu)**Deana Deichert - University of Central Florida*

Time: Friday 3:05 - 4:15

Location: City Terrace 11

Visualization plays a major role in understanding geometric concepts. The integration of technology fosters this understanding; it provides visual images of mathematical ideas. Using Geogebra, participants will engage in an activity which capitalizes on geometric intuitions by exploring the special points of the triangle.

**#184 Creating Mathematics Classrooms that Concentrate on Learner Needs by Differentiating the Instruction (Middle Grades)***Denise McDowell - Big Ideas Learning, LLC, VIP of Sales and Marketing*[dmcowell@larsontexts.com](mailto:dmcowell@larsontexts.com)

Time: Friday 3:05 - 4:15

Location: City Terrace 12

This workshop will incorporate evidence-based instructional practices offering a variety of options that will help teachers open doors to learning that students are unable to open themselves. Teachers will leave with ideas and materials that will help them address the diversity of their student population and their different learning profiles.

## SLICE OF $\pi$ Challenge!

Join us for an amazing Friday event that will begin in **River Terrace 1 at 4:30 pm.** This event will include mathematical challenges, as well as FUN games and activities in and around the Hyatt Regency. Festivities will conclude by 6:00 and prizes will be awarded for winning individuals and teams!!!

*“Amazing Race”* meets *“Minute to Win It”* in these fun and doable challenges as you enjoy views of the St. Johns River! Snacks and drinks will be provided to all participating individuals and teams! Don’t miss it!

### **#160 Constructing a Math Block that Bridges Teaching, Understanding and Applying Mathematical Concepts in Grades K-5 (Grades K – 5)**

*Chris Worley - St. Lucie County School Board, Instructional Coach,*

[christina.worley@stlucieschools.org](mailto:christina.worley@stlucieschools.org)

*Kimberly Jay, AP, SLCSB; Tari Sexton, Instructional Coach, SLCSB; Victoria Pease, Math Coach, SLCSB*

Time: Saturday 8:00 - 9:10

Location: Clearwater

This session consists of three different math block structures that will assist teachers in creating a fluid presentation of daily math concepts. The math block structures being presented are Kindergarten, First/Second Grade and Third through Fifth Grade. Each routine will contain all of the steps that a teacher will need to begin a math block starting with the launch of the lesson and ending with a wrap-up. Teachers will leave a plethora of ideas to engage their students every day.

### **#185 Math in the Real World: When am I ever going to use this? (Middle Grades)**

*Caelethia Clemons - Palm Beach, Math Coach, [caelethia.clemons@palmbeachschools.org](mailto:caelethia.clemons@palmbeachschools.org)*

*Crystal Varnadore, Palm Beach; Stephanie Webster, Palm Beach*

Time: Saturday 8:00 - 9:10

Location: Orlando

Have your students ever asked, "When will I ever use this in real life?" This session will provide real world applications of Math Concepts with take-home activities to implement in middle grades classrooms.

### **#162 Move It...Learn It – Integrated Learning through Meaningful Movement (Grades 3 – 5)**

*Debbie Mitchell - GeoMotion Group, Inc, Sales Rep., [d.mitchell@geomotiongroup.com](mailto:d.mitchell@geomotiongroup.com)*

Time: Saturday 8:00 - 9:10

Location: Daytona

"Get Moving, stay fit, and have fun with the hottest meaningful movement and integrated learning moves: Hip Hop, Latin dancing, kickboxing, dancing through the food groups, and children games; there's something for all ages with the Move It...Learn It session. Session Application: Elementary and/or Secondary Application

The "Move It...Learn It" workshop is an activity based workshop. The presentation will cover the basic movements on the GeoMat® and progress to age specific workouts/activities.



**#163 Inverse Functions and Real-World Applications (High School)***Marsha Guntharp - Palm Beach Atlantic University, [marsha\\_guntharp@pba.edu](mailto:marsha_guntharp@pba.edu)*

Time: Saturday 8:00 - 9:10

Location: St. Johns

We will explore inverse functions and real-world situations using the TI-Nspire Handheld. Much of the exploration will involve analysis of real data.

**#164 Belly Up To The Bar! (Grades 3 - 5)***Gary Elkins - Volusia County Schools, Teacher On Assignment, K-5 Math*[gwelkins@volusia.k12.fl.us](mailto:gwelkins@volusia.k12.fl.us)

Time: Saturday 8:00 - 9:10

Location: City Terrace 4

Are you baffled by Bar Model? Not sure what Bar Model is or how to use it in your classroom? Join us to discover what "Bar Model" is and how you can incorporate it into your math lessons.

**#165 What do the students say about technology? (High School)***Spencer Lunsford - Gadsden County Schools, High School Math Teacher*[lunsfords@fillsail.edu](mailto:lunsfords@fillsail.edu)

Time: Saturday 8:00 - 9:10

Location: City Terrace 5

This past year I allowed my AP Calculus class to help me find and evaluate technology. This presentation is the culmination of the action research project performed. Students want to know how technology helps in their education and we educators should bring them that understanding.

**#167 Improving Student Achievement in Geometry and Measurement (Middle Grades)***Sharon Linton - FCTM, FAMS, NCTM Member, [slintongallon@yahoo.com](mailto:slintongallon@yahoo.com)*

Time: Saturday 8:00 - 9:10

Location: City Terrace 7

This session will offer classrooms teachers strategies to assist students in understanding the concepts of measurements. Teachers will be presented with a number of ways to teach measurements within a classroom setting that will encourage student engagement.

**#168 Impact of a Content-Based Mentor Program on Beginning Math Teacher's Growth and Development (Research)**

*Denise Johnson – WSSU, Associate Professor, [johnsondt@wssu.edu](mailto:johnsondt@wssu.edu)*

*Nancy Ruppert, UNCA; Farrah Chandler, ECSU* Time:

Time: Saturday 8:00 - 9:10

Location: City Terrace 8

This presentation will discuss the impact of a Content-Based Beginning Teacher's Support program on K-12 Novice Math Teacher's. Data will be presented on how beginning math teacher's instructional techniques and awareness improved over the program period.

**#169 Using History of Mathematics as a Teaching Tool in Secondary Math Classrooms (High School)**

*Anthony Piccolino - Palm Beach State College, Professor III, [apiccolino@bellsouth.net](mailto:apiccolino@bellsouth.net)*

Time: Saturday 8:00 - 9:10

Location: City Terrace 9

This session will focus on activities that teachers can use from the history of mathematics as motivational tools in both middle and high school mathematics classrooms.

**#170 Activities Using the TI nSpire CX Calculator. (High School)**

*John Nygren - TI Consultant, Retired Math Coach, [math\\_coach2@yahoo.com](mailto:math_coach2@yahoo.com)*

Time: Saturday 8:00 - 9:10

Location: City Terrace 10

Come learn how to do math/science activities on the new TI nSpire CX. Participants will receive a CD with activities on it.

### **#171 Affiliates and the FCTM Website (General Interest)**

*Barbara Cavanah - Monroe County School District, Teacher*

[Barbara.Cavanah@KeysSchools.com](mailto:Barbara.Cavanah@KeysSchools.com)

Time: Saturday 9:25 - 10:35

Location: Clearwater

Is your FCTM affiliate chapter interested in having an online presence? FCTM is offering webpages on their new SchoolFusion website to affiliates. Come and see how easy it is to create and maintain your own web pages!

### **#172 Why is it Called Completing the Square? (High School)**

*Cassandra Etgeton - University of North Florida, Assistant Professor*

[cetgeton@unf.edu](mailto:cetgeton@unf.edu)

Time: Saturday 9:25 - 10:35

Location: Orlando

Model, Record, and Reflect for Visual and Kinesthetic Learners In Algebra classes, the procedure of completing the square is often taught as a series of steps without meaning. In this session, participants will work through the stages of completing the square via Guided Discovery with manipulatives and learn how to make the connection between the concrete and the abstract representation of polynomials. Participants will receive a CD of templates for all manipulatives used in the session.

### **#173 Children Success with Learnercise - Learning While Moving (Grades 3 -5)**

*Debbie Mitchell - GeoMotion Group, Inc, Sales Rep., [d.mitchell@geomotiongroup.com](mailto:d.mitchell@geomotiongroup.com)*

Time: Saturday 9:25 - 10:35

Location: Daytona

Gain knowledge of methods to enhance student success while bringing an element of fun into their learning. Children are smiling and laughing. They are jumping, balancing, and moving around on colorful mats with numbers, letters, and the alphabet on them and are being physically active. The latest brain research was used in the development of Learnercise and you can learn how to develop the whole child utilizing different learning styles. Find out about a recent study showing Central Florida 3rd graders increasing their multiplication scores by 30%.

### **#174 Calling All Thinkers (Grades 3 – 5)**

*Kelly Mahaffey - Volusia County Schools, Title I TOA K-5, [ksmahaff@volusia.k12.fl.us](mailto:ksmahaff@volusia.k12.fl.us)*

Time: Saturday 9:25 - 10:35

Location: St. Johns

Do you want to nurture the natural problem-solving abilities of your students? Do you recognize that the value of problem solving oriented thinking extends beyond the classroom into every facet of your student's lives? Do you want your students to be flexible thinkers so they can move and rearrange components of a problem in order to find a solution?

**#200 Getting Nspired with Pearson Algebra I/II and Geometry (Grades 8 – 12)***Dr. William Hanna, Math Teacher, [William.hanna@indianriverschools.org](mailto:William.hanna@indianriverschools.org)*

Time: Saturday 9:25 – 10:35

Location: City Terrace 4

An Interactive session utilizing hands on experience with Ti-Nspire and Wireless Navigator System. These activities which will be presented in the session and are part of the High School Program, allow teachers to present content on the Ti-Nspire handheld or software, with which students explore and experience the mathematics. Will also show how teachers are able to collect assessment data using the Ti-Nspire Navigator System.

**#176 Developing Conceptual Understanding Through Rotations and Stations (Middle Grades)***Becky Jones - OCCTM, Orange County, Teacher, [rebecca.jones@ops.net](mailto:rebecca.jones@ops.net)**Melisa Ramos*

Time: Saturday 9:25 - 10:35

Location: City Terrace 5

Participants will engage in activities that help build conceptual understanding of integers. Stations will include manipulatives, problem solving, FCAT practice and more. Modeling how to make this work in your own classroom will take place. Participants will leave ready to implement rotations in their own classroom around other benchmarks.

**#124 FCTM Grants and Awards (General Interest)***Renee Henry - Florida Council of Teachers of Mathematics*

Time: Saturday 9:25 - 10:35

Location: City Terrace 6

Information about FCTM and NCTM grants and awards will be distributed. The Presidential Award for Excellence in Mathematics and Science Teaching will also be discussed.

**#192 Using visuals to enhance student communication and representations in a middle school classroom. (Middle Grades)***Nancy Ruppert - UNC Asheville, Associate Professor, [nruppert@unca.edu](mailto:nruppert@unca.edu)*

Time: Saturday 9:25 - 10:35

Location: City Terrace 7

Middle schools students doodle, they build paper airplanes, they write notes, they love technology. Why not use their tools to enrich their experiences with mathematics? Teachers can use visual images to enhance student understanding, assess students' background knowledge, provide students with opportunities to illustrate and communicate their own knowledge and can offer students an opportunity to elaborate using 21st Century tools and skills. Participants will engage in a series of hands-on projects they can implement in their classroom.

**#177 Navigating Through Reasoning and Proof in Grades 9-12 (High School)**

*Anthony Piccolino - Palm Beach State College, Professor III, [apiccolino@bellsouth.net](mailto:apiccolino@bellsouth.net)*

Time: Saturday 9:25 - 10:35

Location: City Terrace 9

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.

**#178 Activities Using the TI nSpire CX Calculator. (High School)**

*John Nygren - TI Consultant, Retired Math Coach, [math\\_coach2@yahoo.com](mailto:math_coach2@yahoo.com)*

Time: Saturday 9:25 - 10:35

Location: City Terrace 10

Come learn how to do math/science activities on the new TI nSpire CX. Participants will receive a CD with activities on it.

## **Closing Session (Ticket Required)**

Time: 11:00 – 1:00

Location: River Terrace 1

Join us at our Closing Session to the 59<sup>th</sup> Annual FCTM Conference will include brunch and a special presentational from **Vi Hart**. Victoria Hart is a recreational mathemusician currently living on Long Island, NY.

From her website:

I like most creative activities that involve making a lot of noise, mess, or both. Aside from composing, I love improvising on various instruments, drawing, sculpting, and other methods of making things. My main hobby is mathematics, with special interests in symmetry, polyhedra, and surreal complexity. This usually manifests as collaborative research in computational geometry and other areas of theoretical computer science, or as mathematical art. I think the human brain is incredible and strange, so I have developed a great interest in dreaming and consciousness.

## Exhibitor Directory

### **AIMS Education Foundation**

nradke@aims.edu.org  
Booth Number(s)240  
1595 S. Chestnut Ave  
Fresno, CA 93702  
Carmella Crawford

### **ALEKS Corporation** events@aleks.com

Booth Number(s)229  
15460 Laguna Canyon  
Irvine, CA 92618  
Patty Kent  
Nancy Tyler

### **Best Quest Teaching Strategies**

joannw@bestquest.com  
Booth Number(s)133  
4205 S. Shackelford Road Ste. C  
Little Rock, AR 12204  
Joseph Irby

### **Big Ideas Learning, LLC**

Kcumings@larsontexts.com  
Booth Number(s)147  
1762 Norcross Road  
Erie, PA 16510  
Denise McDowell  
Lisa Goldsmith  
Nancy Thiele

### **Britannica Digital Learning**

wpickering@eb.com  
Booth Number(s)239  
331 North LaSalle Drive  
Chicago, IL 60654  
Dan Crimmins  
Paul Ridgway

### **Cambium Learning Group/Voyager**

jean.correll@voyagerlearning.com  
Booth Number(s)236, 238  
2617 NE 26th Avenue  
Fort Lauderdale, FL 33306  
Jean Correll  
Daniel Parvu  
Lazaro Garcia  
David Traviesa  
Rolando Rodriquez

### **CASIO**

Booth Number(s)138  
570 Mt. Pleasant Ave.  
Dover, NJ 07801

### **Cengage Learning**

cathy.mcmillan@cengage.com  
Booth Number(s)237  
6373 River Point Drive  
Fleming Island, FL 32203  
Cathy McMillan  
Andrea Neff  
Robin Heston  
Irene DeVarona

### **Curriculum Associates**

kwalsh@cainc.com  
Booth Number(s)242  
153 Rangeway Road  
N. Billerica, MA 01862  
Pat Garretson  
Wendy Feikert  
Sharon DeMuth-Womble

### **Destination Knowledge**

Ltucker@destknow.com  
Booth Number(s)145  
354 Willow Lane  
Ellenton, FL 34222  
Kristine Marsh  
Charles Meeks

### **Dinah-Might Adventures**

sara@dinah.com  
Booth Number(s)149, 151  
PO Box 690328  
San Antonio, TX 78269  
Nancy Wisker  
Roger Rodriguez

### **EAI Education** btuzzeo@eaiusa.com

Booth Number(s)252- Corner  
118 Bauer Drive  
Oakland, NJ 07436  
Barbara Tuzzeo

## Exhibitor Directory

### **Educators Outlet, Inc.**

blakeliley@educatorsoutlet.com  
Booth Number(s)251  
P.O. Box 397  
Timnath, CO 80547  
Gary Otto  
Carole Tilley

### **ETA Cuisenaire**

jciborowski@etacuisenaire.com  
Booth Number(s)148  
500 Greenview Court  
Vernon Hills, IL 60061  
Glenn Meloni  
Ralph Carson

### **Everglades K-12 Publishing, Inc.**

kbechert@evergladesk12.com  
Booth Number(s)150  
2141 SW 28th Way  
Fort Lauderdale, FL 33312  
Kevin Bechert  
Barbara Nunn  
Garey Braker  
Scott Anglemeyer

### **Explore Learning**

Adogum@explorellearning.com  
Booth Number(s)235  
P.O. Box 2185  
Charlottesville, VA 22902  
Arlene Fonda  
Jane Owen  
Rick Roegiers  
Eric Frenchak

### **FCTM Events**

Booth Number(s)152

### **FCTM Fundraising**

Booth Number(s)227

### **First In Math - Suntex International**

Nancy@24game.com  
Booth Number(s)244  
3311 Fox Hill Road  
Easton, PA 18045  
Cynthia Anderson  
Mark Anderson  
Barbara Asteak

### **Florida Council on Economic Education**

cdavis@fcee.org  
Booth Number(s)228  
1211 N. Westshore Blvd #305  
Tampa, FL 33607  
Chalette Davis  
Patricia Sibson

### **Florida Engineering Society**

aandersen@fleng.org  
Booth Number(s)141  
125 South Gadsden Street  
Tallahassee, FL 32301  
TBD

### **Florida Public Archeology Network**

aweiss@flagler.edu  
Booth Number(s)245  
74 King Street  
St. Augustine , FL 32085  
Amber Grafft-Weiss  
Sarah Nohe

### **GAMSology Educational Games LLC**

lara.tran@GAMSology.com  
Booth Number(s)135  
3013 Whimsical Lane  
Kissimmee, FL 34744  
Lara Tran  
Van Nguyen

### **GeoMotion Group, Inc.**

events@geomotiongroup.com  
Booth Number(s)131  
10151 University Blvd. #514  
Orlando, FL 32817  
Dr. Debby Mitchell

### **Great Source**

elizabeth.webb@hnhpub.com  
Booth Number(s)230  
1824 Cornell Rd  
Jacksonville, FL 32207  
Beth Webb  
Tony Ulintz  
Lynne Rubino  
Patsy Kanter

## Exhibitor Directory

**Houghton Mifflin Harcourt and Holt McDougal** Jennifer.Behar@hmhpub.com  
Booth Number(s)232  
9400 South Park Center Loop  
Orlando, FL 32819  
Jeff Guerra  
Jeff Rutter  
Joan Warrick  
Tricia Rinker

**Lakeshore Learning Materials**  
cedelin@lakeshorelearning.com  
Booth Number(s)139  
2695 East Dominguez Street  
Carson, CA 90895  
Scotty Kubin

**Learning Wrap-ups, Inc**  
rich@learningwrapups.com  
Booth Number(s)136  
1660 West Gordon Ave. #4  
Layton, UT 84041  
Rich Stuart  
Andrea Stuart

**Livescribe, Inc.**  
kimevans@embarqmail.com  
Booth Number(s)226  
10051 SE CR763  
Arcadia , FL 34266  
Kim Evans  
Troy Shimkus

**Math Matters Inc.**  
mathgames@mathmattersinc.com  
Booth Number(s)146  
457 Rutland Street  
Westbury, NY 11590  
John Hinton  
Elaine Hinton

**Math Teachers Press**  
rmarold@movingwithmath.com  
Booth Number(s)142  
4850 Park Glen Rd  
Minneapolis, MN 55416  
Mary Dolph  
Greg Miller  
Barry Persby

**MIND Research Institute**  
smurphy@mindresearch.net  
Booth Number(s)140  
733 Wessex Place  
Orlando, FL 32803  
Sara Murphy

**Nasco** kolander@enasco.com  
Booth Number(s)144  
901 Janesville Avenue  
Fort Atkinson, WI 53538  
Connie Kolander  
Tom Belzer  
Lyn Thormann  
Rhonda Hutchinson

**Neufeld Learning Systems Inc.**  
bmathies@neufeldmath.com  
Booth Number(s)246  
7 Conifer Crescent  
London, Ontario, Canada N6K2U3  
Rudy Neufeld  
Jeremy Neufeld

**Northpoint Horizons**  
lromano@northpointhorizons.com  
Booth Number(s)249  
380 N. Fairway Drive  
Vernon Hills, IL 60061  
Maribel Ariano  
David Cole  
Sharon Demuth  
Rick South

**Pearson**  
Theresa.Moynahan@pearson.com  
Booth Number(s)153, 155  
9104 Tamarron Drive  
Plainsboro, NJ 08536  
Mary Farley Cox  
Steve Olson  
Barbara Browning  
Brian Rhodes

**PENDA** bhinds@pendalearning.com  
Booth Number(s)257  
920 South Fell  
Normal, IL 61761  
Brian Hinds



## Exhibitor Directory

### **Perfection Learning Corporation**

exhibits@perfectionlearning.com  
Booth Number(s) 255  
1000 N Second Ave. P.O. Box 500  
Logan, IA 51546  
Sheila Harrington  
Sue Scholl  
Ann Scholl

### **Qtopia** jean@qwizdom.com

Booth Number(s) 243  
12617 Meridian East  
Puyallup, WA 98373  
Paul Bravo

### **Saxon** penny.campbell@hmhpub.com

Booth Number(s) 241  
9205 Southpart Center Loop Bldg. 1300  
Orlando, FL 32819  
Juliet Ashley  
Kathy Jennigan

### **Sokikom** snehalp@sokikom.com

Booth Number(s) 253  
325 N. Alma School Road, Suite 2  
Chandler, AZ 85249  
Snehal Patel

### **Tessellations** tessellations@cox.net

Booth Number(s) 143  
3913 E. Bronco Tr  
Phoenix, AZ 85044  
Robert Fathauer

### **Texas Instruments** knicolosi@ti.com

Booth Number(s) 248, 250  
P.O. Box 650311  
Dallas, TX 75265  
Dave Barron  
Melissa Akey

### **Triumph Learning**

jarje@triumphlearning.com  
Booth Number(s) 129  
136 Madison Ave.  
New York, NY 10016  
Christy Handley

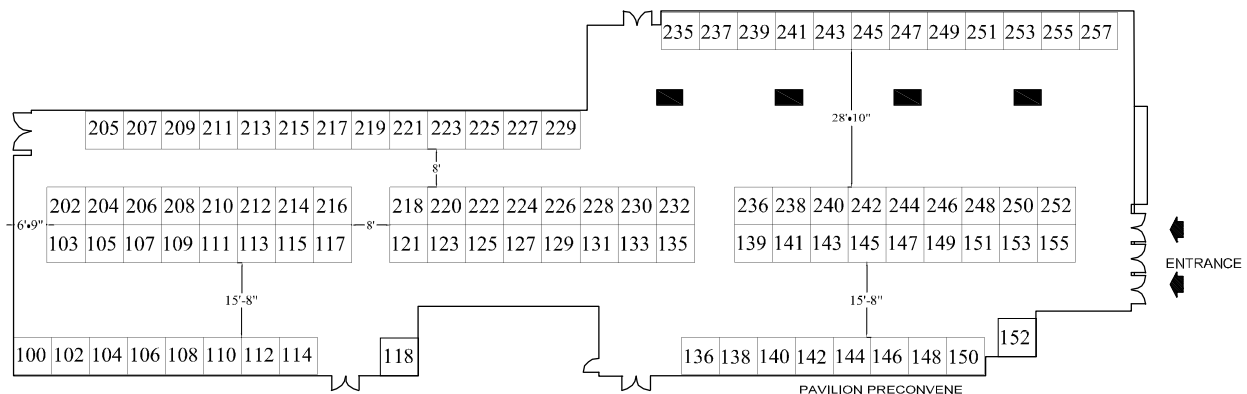
### **Western Governors University**

Booth Number(s) 247  
4001 S. 700 East #700  
Salt Lake City, UT 84107  
Bob Rustad

## Florida Council of Teachers of Mathematics

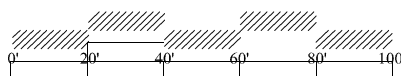
October 13 - 15, 2011 Hyatt Hotel - Jacksonville, FL

Terrace Pavilion 1 & 2



93- 8 x 8 booths

current plan as of 9.7.11



BH&L DECORATORS, Inc.  
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Orlando, FL 32809  
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F: 407-851-3090

## Speaker Index

**Paige Allison** - University of Florida COE  
- PK Yonge DRS; pallison@pky.ufl.edu  
Friday 12:15 - 1:25 Daytona

**Janet Andreasen** - University of Central  
Florida; Janet.Andreasen@ucf.edu  
Thursday 10:50 - 12:00 Orlando

**Natalie Angelis** - Lake Nona High School  
Orange County; natalie.angelis@ocps.net  
Friday 12:15 - 1:25 St. Johns

**Karim Ani** - Mathalicious;  
karim@mathalicious.com  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 4

**Kristen Appleby** - University of Florida;  
kappleby2@ufl.edu  
Friday 12:15 - 1:25 City Terrace 7

**Susan Archer** - high school;  
archers@duvalschools.org  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 6

**Cheryl Avila** - University of Central  
Florida; cherie.avila@knights.ucf.edu  
Thursday 12:15 - 1:25 and 1:40 - 2:50  
City Terrace 6

**Toni Backstrom** - Cambium Learning  
Sopris;  
toni.backstrom@soprislearning.com  
Friday 1:40 - 2:50 and Friday 3:05 - 4:15  
City Terrace 10

**Margaret Bambrick** - Volusia County  
Schools; mbambric@volusia.k12.fl.us  
Friday 12:15 - 1:25 City Terrace 6

**Sarah Bleiler** - University of South  
Florida; sbleiler@mail.usf.edu  
Friday 10:50 - 12:00 City Terrace 7

**Rick Blum** - Richard Blum and  
Associates; pensions@mindspring.com  
Thursday 12:15 - 1:25 and 1:40 - 2:50  
Daytona

**Larry Bradsby** - Jefferson Ct. Schools, CO;  
lsbradsby@hotmail.com  
Thursday 3:05 - 4:15 and Friday 8:00 -  
9:10 Orlando (Thursday) Daytona  
(Friday)

**Shirley Bradsby** - Jefferson Ct. Schools,  
CO; lsbradsby@hotmail.com  
Thursday 3:05 - 4:15 and Friday 8:00 -  
9:10 Clearwater

**Laura Burrell** - DCPS;  
lauraburrell@live.com  
Friday 10:50 - 12:00 City Terrace 6

**June Campbell** - Office of Race to the Top  
Assessments; campbellj@fldoe.org  
Friday 10:50 - 12:00 and 12:15 - 1:25  
Orlando

**Patricia Casey** - Florida State University  
School; pcasey@fsu.edu  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 7

**Barbara Cavanah** - Monroe County  
School District;  
Barbara.Cavanah@KeysSchools.com  
Saturday 9:25 - 10:35 Clearwater;  
Thursday 1:40 - 2:50 and 3:05 - 4:15  
Boardroom 4

**Nancy Cerezo**;  
nancy.cerezo@saintleo.edu  
Friday 12:15 - 1:25 City Terrace 5

**Caelethia Clemons** - Palm Beach;  
caelethia.clemons@palmbeachschools.org  
Saturday 8:00 - 9:10 Orlando

**Martin Cohen** - Holt McDougal;  
mpc2@pitt.edu  
Friday 8:00 - 9:10 and 9:25 - 10:35 City  
Terrace 11

**Linda Cordes** - RED Hot Teaching;  
cordeskiki@aol.com  
Thursday 12:15 - 1:25 and 1:40 - 2:50  
Clearwater; Thursday 8:00 - 9:10 and  
9:25 - 10:35 Clearwater

## Speaker Index

**Susan Cornwell** - Test Development Center; cornwells@leonschools.net  
Friday 10:50 - 12:00 Clearwater

**Sirin Coskun** - USF;  
sirincoskun@gmail.com  
Friday 12:15 - 1:25 City Terrace 4

**Joe Craven** - playjoecraven@gmail.com  
Friday 3:00 - 4:30 Clearwater

**Dan Crimmins** - Britannica Digital Learning; dcrimmins@eb.com  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 12

**Juli Dixon** - University of Central Florida;  
juli.dixon@ucf.edu  
Friday 1:40 - 2:50 Orlando

**Gary Elkins** - Volusia County Schools;  
gwelkins@volusia.k12.fl.us  
Saturday 8:00 - 9:10 City Terrace 4

**Cassandra Etgeton** - University of North Florida; cetgeton@unf.edu  
Saturday 9:25 - 10:35 Orlando

**Nick Ewen** - Houghton Mifflin Harcourt;  
nicholas.ewen@hmhpub.com  
Thursday 12:15 - 1:25 and 1:40 - 2:50  
City Terrace 4

**Chris Fennell** - Oasis Charter Middle School;  
christopher.fennell@capecharterschools.org  
Friday 1:40 - 2:50 St. Johns

**Staci Gillen** - Dunedin High School;  
gatorgirlgillen@gmail.com  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 11

**Lisa Goldsmith** - Big Ideas Learning, LLC;  
lgoldsmith@larsontexts.com  
Thursday 3:05 - 4:15 City Terrace 12

**John Gorman** - Riverview High School;  
john\_gorman@sarasota.k12.fl.us  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
Orlando

**Marsha Guntharp** - Palm Beach Atlantic University;  
marsha\_guntharp@pba.edu  
Saturday 8:00 - 9:10 St. Johns

**Pamela Guyton** - Lake Nona Middle School;  
pamela.guyton@ocps.net  
Friday 8:00 - 9:10 St. Johns

**Erhan Selcuk Haciomeroglu** - University of Central Florida;  
Erhan.Haciomeroglu@ucf.edu  
Friday 1:40 - 2:50 and 3:05 - 4:15 City Terrace 8

**Vi Hart** - vi@vihart.com  
Friday 8:30 - 10:00 and 12:15 - 2:30  
River Terrace 1

**Charles Hebert** - Center for Teacher Effectiveness; skayhebert@aol.com  
Thursday 12:15 - 1:25 and 1:40 - 2:50  
Orlando

**Renee Henry** - Florida Council of Teachers of Mathematics; none  
Saturday 9:25 - 10:35 City Terrace 6

**John Hinton** - Math Matters, Inc.;  
mathgames@mathmattersinc.com  
Friday 8:00 - 9:10 and 9:25 - 10:35  
Boardroom 3

**Marty Hopkins** - UCF;  
marty.hopkins@ucf.edu  
Friday 12:15 - 1:25 City Terrace 8

**Tashana Howse** - UCF;  
howset@knights.ucf.edu  
Friday 3:05 - 4:15 City Terrace 11

**Joseph Irby** - BestQuest Teaching Systems; joei@bestquest.com  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 8

## Speaker Index

**Denise Johnson** - WSSU;

johnsondt@wssu.edu

Saturday 8:00 - 9:10 City Terrace 8

**Becky Jones** - OCCTM, Orange County;

rebecca.jones@ops.net

Saturday 9:25 - 10:35 City Terrace 5

**Kim Jurczak** - Promethean, Inc.;

kim.jurczak@prometheanworld.com

Thursday 12:15 - 1:25 and 1:40 - 2:50

City Terrace 8

**Patsy Kanter** - Houghton Mifflin

Harcourt; Patsy.Kanter@hmhpub.com

Friday 3:05 - 4:15 Orlando

**Nina Kimbrough** - Hillsborough County,

Robinson IB High School;

nina.kimbrough@sdhc.k12.fl.us

Thursday 12:15 - 1:25 and 1:40 - 2:50

City Terrace 7

**Marilyn Lance** - Houghton Mifflin

Harcourt; marilyn.lance@hmhpub.com

Thursday 8:00 - 9:10 and 9:25 - 10:35

City Terrace 9

**Laura Lang** - FCR-STEM, Florida State

University; llang@lsi.fsu.edu

Thursday 10:50 - 12:00 City Terrace 11

**Ron Large** - Cornerstone Charter

Academy; largertanlifeinc@msn.com

Friday 9:25 - 10:35 and 10:50 - 12:00

Boardroom 2

**Susan Lee** - Timber Creek High;

Susan.Lee@ocps.net

Thursday 8:00 - 9:10 and 9:25 - 10:35

City Terrace 10

**Sharon Linton** - FCTM, FAMS, NCTM;

slintongallon@yahoo.com

Saturday 8:00 - 9:10 City Terrace 7

**Thomasenia Lott Adams** - University of

Florida; tla@coe.ufl.edu

Friday 10:50 - 12:00 City Terrace 9

**Almarene Lowndes** - Mandarin Oaks

Elementary School;

lowndesa@duvalschools.org

Thursday 12:15 - 1:25 and 1:40 - 2:50

Boardroom 2

**Spencer Lunsford** - Gadsden County

Schools; lunsfords@fullsail.edu

Saturday 8:00 - 9:10 City Terrace 5

**Spencer Lunsford** - Gadsden County

Schools; lunsfords@fullsail.edu

Thursday 12:15 - 1:25 and 1:40 - 2:50

City Terrace 9

**Kelly Mahaffey** - Volusia County Schools;

ksmahaff@volusia.k12.fl.us

Saturday 9:25 - 10:35 St. Johns

**Cathy Marks Krpan** - OAME;

cmarskrpan@aol.com

Friday 8:00 - 9:10 City Terrace 5

**Denise McDowell** - Big Ideas Learning,

LLC; dmcdowell@larsontexts.com

Friday 3:05 - 4:15 City Terrace 12

**Debbie Mitchell** - GeoMotion Group, Inc;

d.mitchell@geomotiongroup.com

Saturday 8:00 - 9:10 and 9:25 - 10:35

Daytona

**Sara Moore** - ETA/Cuisenaire;

smoore@etacuisenaire.com

Friday 10:50 - 12:00 St. Johns; Friday

3:05 - 4:15 St. Johns; Friday 9:25 - 10:35

St. Johns

**Rosa Newlin** - Oakleaf Village

Elementary; rlnewlin@mail.clay.k12.fl.us

Thursday 12:15 - 1:25 and 1:40 - 2:50

City Terrace 10

**Barbara Nunn** - Everglades K-12

Publishing, Inc.;

bnunn@evergladesk12.com

Thursday 8:00 - 9:10 and 9:25 - 10:35

Daytona

## Speaker Index

**John Nygren** - TI Consultant;  
math\_coach2@yahoo.com  
Saturday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 10

**Linda Oaksford** - Test Development  
Center; oaksfordl@leonschools.net  
Friday 9:25 - 10:35 Clearwater

**Lyn Orletsky** - Titusville High School;  
orletsky.lyn@brevardschools.org  
Friday 10:50 - 12:00 City Terrace 10

**Enrique Ortiz** - University of Central  
Florida; Enrique.Ortiz@ucf.edu  
Friday 12:15 - 1:25 City Terrace 9

**Jane Owen** - ExploreLearning;  
jowen@explorellearning.com  
Thursday 12:15 - 1:25 and 1:40 - 2:50  
City Terrace 11

**Dr. Stephanie Pasley** - Step By Step  
Expression, Inc.;  
Info@TheMathParty.com  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
Boardroom 2

**Snehal Patel** - Sokikom;  
swiley@lwolfe.com  
Thursday 8:00 - 9:10 and 9:25 - 10:35  
Boardroom 3

**Kenn Pendleton** - Montgomery College;  
kennmg@aol.com  
Friday 8:00 - 9:10 and 9:25 - 10:35 City  
Terrace 12; Thursday 8:00 - 9:10 and  
9:25 - 10:35 Boardroom 4

**Debbie Perry** - Palm Beach;  
debbie.perry@palmbeachschools.org  
Friday 8:00 - 9:10 and 9:25 - 10:35 City  
Terrace 10

**Mary Anne Petruska** - Pensacola State  
College; mpetruska@pensacolastate.edu  
Friday 8:00 - 9:10 and 9:25 - 10:35 City  
Terrace 9; Thursday 10:50 - 12:00 and  
3:05 - 4:15 Daytona

**Cecil Phibbs** - AD Henderson University  
School; cphibbs@fau.edu  
Friday 9:25 - 10:35, 10:50 - 12:00, 1:40 -  
2:50, 3:05 - 4:15 City Terrace 4

**Lisa Phillips** - Florida State University  
School; lgphilli@fsu.edu  
Friday 12:15 - 1:25 City Terrace 12

**Anthony Piccolino** - Palm Beach State  
College; apiccolino@bellsouth.net  
Saturday 8:00 - 9:10 and 9:25 - 10:35  
City Terrace 9

**Vanesssa Pitts Bannister** - University of  
South Florida Polytechnic;  
pittsbannister@poly.usf.edu  
Friday 10:50 - 12:00 City Terrace 11

**Lori Price** - St. Johns Co. Schools;  
pricel2@stjohns.k12.fl.us  
Thursday 10:50 - 12:00 and 3:05 - 4:15  
City Terrace 4

**Rabieh Razzouk** - FCR-STEM;  
icpalms@lsi.fsu.edu  
Friday 8:00 - 9:15 and 9:25 - 10:35  
Orlando

**Dave Ricci** - Time To Teach;  
DaveRicci@TimeToTeach.com  
Thursday 10:50 - 12:00 and 3:05 - 4:15  
City Terrace 6

**Mary Robertson** - Edison State College;  
marobertson@edison.edu  
Friday 10:50 - 12:00 City Terrace 12 and  
Friday 12:15 - 1:25 City Terrace 10

**Chris Ruda** - cruda@juno.com  
Friday 1:40 - 2:50 and 3:05 - 4:15 City  
Terrace 9

**Nancy Ruppert** - UNC Asheville;  
nruppert@unca.edu  
Saturday 9:25 - 10:35 City Terrace 7

## Speaker Index

**Derrick Saddler** - University of South Florida; dsaddler@mail.usf.edu  
Thursday 10:50 - 12:00 and 3:05 - 4:15  
City Terrace 7

**Megan Sample** - Full Sail University; hippiemii@fullsail.edu  
Thursday 10:50 - 12:00 and 3:05 - 4:15  
City Terrace 8

**Ninamarie Sapuppo** - Florida State University Schools; nsapuppo@fsu.edu  
Thursday 10:50 - 12:00 and 3:05 - 4:15  
City Terrace 9

**Vicki Schell** - Pensacola State College; vschell@PensacolaState.edu  
Friday 1:40 - 2:50 and 12:15 - 1:25 City Terrace 11; Thursday 10:50 - 12:00 and 3:05 - 4:15 City Terrace 10

**Terri Sebring** - Test Development Center; sebringt@leonschools.net  
Friday 12:15 - 1:25 Clearwater

**Beth Smith** - Episcopal School of Jacksonville; smithb@esj.org  
Friday 8:00 - 9:10 and 9:25 - 10:35 City Terrace 8; Thursday 10:50 - 12:00 and 3:05 - 4:15 Boardroom 2

**Mercedes Sotillo** - University of Central Florida; mercedes.sotillo@ucf.edu  
Friday 1:40 - 2:50 City Terrace 12

**Rich Stuart** - Learning Wrap-ups, Inc.; rich@learningwrapups.com  
Friday 8:00 - 9:10 and 9:25 - 10:35 City Terrace 6; Friday 1:40 - 2:50 and 3:05 - 4:15 City Terrace 6

**Lauri Susi** - Conceptual Math; lsusi@conceptuamath.com  
Friday 9:25 - 10:35 City Terrace 5

**Julie Teague** - Learning Wheels, Inc.; julie.teague@learningwheels.com  
Friday 1:40 - 2:50 and 3:05 - 4:15 City Terrace 5

**Nancy Thiele** - Big Ideas Learning, LLC; nthiele@larsontexts.com  
Thursday 10:50 - 12:00 City Terrace 12

**Lara Tran** - GAMSology Educational Games; lara.tran@GAMSology.com  
Thursday 3:05 - 4:15 and Friday 8:00 - 9:10 City Terrace 11 (Thursday) and City Terrace 7 (Friday)

**Linda Walker** - Self Employed - Education Consultant; lindawalker3107@comcast.net  
Friday 8:00 - 9:25 Boardroom 2

**Patricia Weisbach** - Orange County Public Schools; patricia.weisbach@ocps.net  
Thursday 12:15 - 1:25 Boardroom 3

**Amber Weiss** - Florida Public Archaeology Network; AWeiss@flagler.edu  
Thursday 1:40 - 2:50 Boardroom 3

**Jennifer Winchester** - Florida Department of Education; Jennifer.Winchester@fldoe.org  
Friday 9:25 - 10:35, 10:50 - 12:00 and 1:40 - 2:50 Daytona

**Nancy Wisker** - Dinah Zike Academy; sara@dinah.com  
Friday 8:00 - 9:10 City Terrace 4

**Chris Worley** - St. Lucie County School Board; christina.worley@stlucieschools.org  
Saturday 8:00 - 9:10 Clearwater; Thursday 3:05 - 4:15 Boardroom 3

**Karol Yeatts** - FCTM; kjyeatts@verizon.net  
Thursday 10:50 - 12:00 Clearwater

**Barbara Zorin** - Private Consultant; DrBZorin@gmail.com  
Friday 1:40 - 2:50 and 3:05 - 4:15 City Terrace 7

## Transitioning to the Common Core State Standards? **We've got you covered.**



### **A Transition Solution for enVisionMATH Florida Users**

Pearson is committed to supporting you as you transition to a curriculum that is based on the Common Core State Standards for Mathematics.

### **For more information, please contact your Florida Sales Representative:**

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