

Conference Agenda

62nd Annual FCTM State Conference

October 23 – October 25, 2014

Innisbrook Golf & Spa Resort

Palm Harbor, Florida



Wednesday, October 22, 2014

Pipe and Drape – Inverness Ballroom	12:00 PM – 4:00 PM
Vendor Check In – Inverness Foyer	4:00 PM – 8:00 PM
Vendor Set-Up – Inverness Ballroom	4:00 PM – 8:00 PM
Registration – Stirling Foyer	4:00 PM – 10:00 PM
Hospitality – Stirling Foyer	4:00 PM – 10:00 PM

Thursday, October 23, 2014

Registration – Stirling Foyer	7:00 AM – 5:00 PM
Hospitality – Stirling Foyer	7:00 AM – 5:00 PM
Vendor Set-Up – Inverness Ballroom	8:00 AM – 10:00 AM
Opening Event – Stirling Ballroom	8:00 AM – 9:45 AM
<i>Featuring Guest Speaker: Dan Meyer</i>	
Sessions – Stirling Rooms B-Q and Ballroom	10:15 AM – 4:00 PM
Vendors/Exhibits – Inverness Ballroom	10:00 AM – 6:30 PM
Guest Speaker – FL Comm. Pam Stewart	11:30 AM – 12:30 PM
FCTM Board Meeting – West Ballroom	12:45 PM – 1:45 PM
FCTM General Meeting – West Ballroom	2:00 PM – 3:00 PM
Vendors' Special Event for Elementary	3:00 PM – 4:30 PM
Vendor Open House	4:30 PM – 6:00 PM
<i>FCTM Basket Drawing</i>	5:45 PM

Friday, October 24, 2014

Registration – Stirling Foyer	7:00 AM – 4:00 PM
Hospitality – Stirling Foyer	7:00 AM – 4:00 PM
Sessions – Stirling Rooms B-Q and Ballroom	8:00 AM – 4:30 PM
Vendors/Exhibitors – Inverness Ballroom	8:00 AM – 4:30 PM
FAMTE Meeting – West Ballroom	9:15 AM – 10:15 AM
Elections – Stirling Foyer	10:00 AM – 2:00 PM
Vendors' Special Event for Secondary	10:30 AM – 11:30 AM
Friday Night Party – Loch Ness Pool Patio	5:30 PM – 5:30 PM
Karaoke, Free Food and Beverages	
Cash Bar	(All Conference attendees are invited)

Saturday, October 25, 2014

Sessions – Stirling Rooms B-Q and Ballroom	8:00 AM – 10:15 AM
Registration – Stirling Foyer	7:00 AM – 9:00 AM
Hospitality – Stirling Foyer	7:00 AM – 9:00 AM
Closing Event– Stirling Ballroom	10:30 AM – 12:15 PM
<i>Featuring Guest Speaker: Dr. Juli Dixon</i>	
<i>(no ticket required)</i>	



Florida Council of Teachers of Mathematics

AFFILIATED WITH NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS



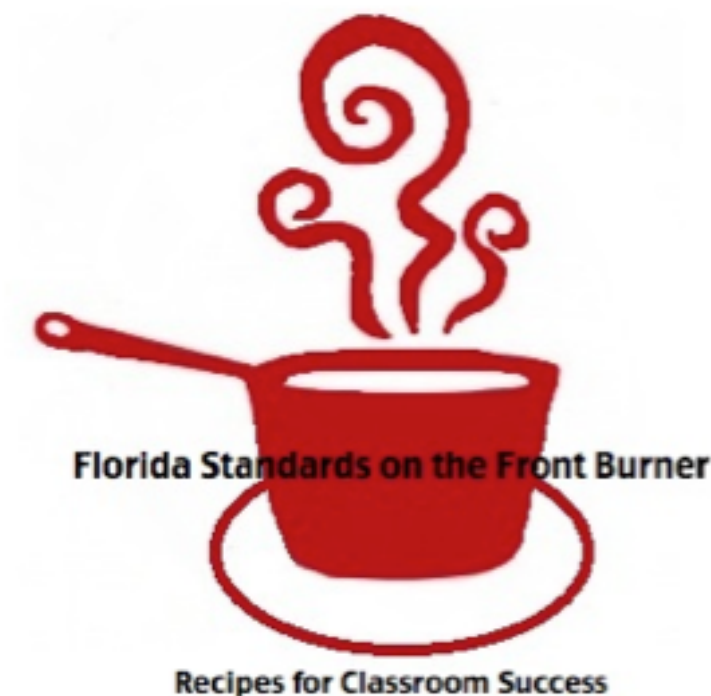
FCTM Past Presidents...60 years and counting

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	Ms. Janet Meinke
1975-1976	Mr. Lawrence Wantuck	2012-2014	Ms. Jill Nielsen

Florida Council of Teachers of Mathematics 63rd Annual Conference

MARK YOUR CALENDARS!

October 15 -17, 2015



Double Tree by Hilton at SeaWorld Orlando

10100 International Drive, Orlando, Florida, United States 32821

Tel: 1-407-352-1100 Fax: 1-407-352-2632

<http://fctm.schoolfusion.us/>

Contacts

General Chairs:	Margaret Walker	margaret.walker@ocps.net
	Jill Nielsen	Mathnielsen@gmail.com
Exhibits Chair:	Susan Lee	Rebecca.Lee@ocps.net

My Conference Schedule

Thursday, October 23, 2014

Time	Session #	Title of Presentation	Location
8:00-9:45		Opening Session - Dan Meyer	Stirling Ballroom
10:14-11:15			
11:30-12:30			
12:45-1:45			
2:00-3:00			
3:15-4:15			
3:15-4:30		Vendors' Open House - Elementary	Inverness Ballroom

Friday, October 24, 2014

Time	Session #	Title of Presentation	Location
8:00-9:00			
9:15-10:15			
10:30 - 11:30		Vendors' Open House - Secondary	Inverness Ballroom
11:45-12:45			
1:00-2:00			
2:15-3:15			
3:30-4:30			
10:00-2:00		Elections - VOTE	Stirling Foyer
5:30 - 9:30		Friday Night Party	Loch Ness Pool Patio

Saturday, October 25, 2014

Time	Session #	Title of Presentation	Location
8:00-9:00			
9:15-10:15			
10:30 - 12:15		Closing Session - Dr. Juli Dixon	Stirling Ballroom



2014 FCTM Board of Directors

FCTM Executive Board

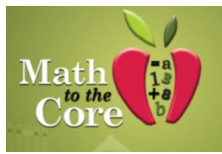
President	Margaret Walker	Orlando
Past President	Jill Nielsen	New Port
Richey		
Vice President – College	Selcuk Haciomeroglu	Orlando
Vice President – High School	Diana Snider	Wellington
Vice President – Middle School	Pam Guyton	Orlando
Vice President – Elementary	Zak Champagne	Jacksonville
Secretary	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 Riddell	Jacksonville
Region V	Lisa Robertson	St. Petersburg
Region VI	Margaret Bambrick	Deland
Region VII	Joseph Ratasky	Tampa
Region VIII	Jayne Arrington	Arcadia
Region IX	Lisa Greco	Kissimmee
Region X	Marsha Guntharp	Jupiter
Region XI	Chris Ruda	Miami
Region XII	Tanya Hutkowski	Plantation
Region XIII	Leslie Kraynik	Palm Bay
Region XIV	James Probert	Ft. Myers

FCTM Standing Committee Chairs

Certification	Rose Mack	St. Petersburg
Chaplain	John Miller	Lake Wales
Competitions	Marcia Austin	Hallandale
Beach		
Conference Assistance	Cindie Donahue	Wesley Chapel
Conference Assistance	Carole Halka	Pembroke
Pines		
Curriculum/Best Practices	Joe McNaughton	Palmetto
DOE K-12 Mathematics	Debra Willacey	Tallahassee
Elections/Competitions	Joyce Hawkins	Hallandale Bch
FAMS Representative	Margaret Bambrick	Deland
FAMTE Representative	Hui Fang Huang "Angie" Su	
FMPA ² Representative	Barbara Knox	Dover
Fundraising	Rebecca Jones	Orlando
Government Relations	Bob Bedford	Tallahassee
Grants and Awards	Susan Lee	Orlando
Historian	Paige Allison	Gainesville
Leadership Conference	Zak Champagne/Tim Kenney	Jacksonville
Meetings and Events	Charlene Kincaid	Milton
Membership	Diane Gard	Melbourne
Nominations	Jill Nielsen	New Port
Richey		
Parliamentarian	Teresa Ault	Orlando
Publications: <i>Additional Dimensions</i>	Lisa Shin	Lake Placid
Publications: <i>Dimensions</i>	Rick Austin	Tampa
Sponsorship	Carol Newman	Plantation
Student Assessment	Terri Sebring	Tallahassee
Technology	Chris Hanes	Ocala
Webmaster	Barbara Cavanah	Marathon



Math to the Core **62nd Annual FCTM State Conference**



The Pinellas Council of Teachers of Mathematics eagerly took the lead in working with several councils from around the state <http://www.occtm.org/> to be your hosts for this year's Florida Council of Teachers of Mathematics State Conference. Special thanks goes to Lisa Robertson and Cynthia Thigpen for their leadership.

Through the years, the Florida Council of Teachers of Mathematics Annual Conference has grown in numbers and quality. The 2014 Conference Committee has worked long and hard this past year to bring you another outstanding conference. They have planned over 230 exciting sessions for you to attend. You will find many interesting and worthwhile sessions available at **all** academic levels along with our featured speakers Dan Meyer, Dr. Juli Dixon, and Commissioner Pam Stewart.

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

- Opening Event featuring Dan Meyer from 8:00 – 9:45 AM located in the Stirling Ballroom.
- Commissioner Pam Stewart present at 11:30 – 12:30 PM in the East Stirling Ballroom.
- Vendors' Special Event for Elementary on Thursday afternoon from 3:00 PM – 4:00 PM followed by Vendor Open House and drawing. 4:40 – 6:30 PM.
- Vendors' Special Event for Secondary on Friday morning from 10:30 – 11:30 AM
- A Friday Night Party! Come and enjoy fun, free food and entertainment on Friday evening from 5:30 – 10:00 PM on the Loch Ness Pool Patio
- And, our Closing Event featuring Dr. Juli Dixon on Saturday at 10:30 AM Stirling Ballroom

We invite all participants to attend the FCTM Annual Business Meeting on Thursday afternoon at 2:00 PM in **East Stirling Ballroom**. We want you to become involved in FCTM! You are encouraged to attend.

Please take time to 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 **Stirling Foyer** on Friday from 10:00 AM to 2:00 PM. Your vote is important. Be sure to cast your ballot! Just a reminder: In order to vote, you must have been a member of FCTM on July 1, 2014.

Enjoy your conference! I want you to 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, 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!

Margaret Walker, President
Florida Council of Teachers of Mathematics

Florida Council of Teachers of Mathematics
 AFFILIATED WITH NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS



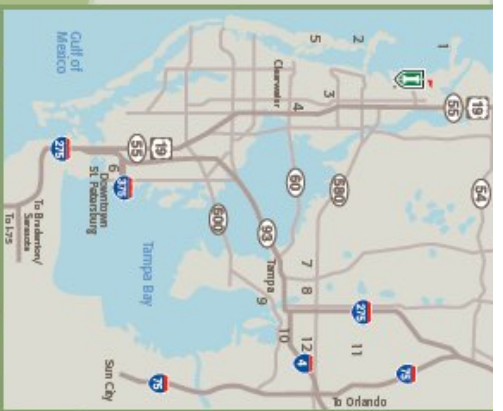
Kenneth P. Kidd Mathematics Educator of the Year Recipients

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 deAguiro	Miami
1986	Mr. Herbert Johnson	Clearwater
1987	Mr. Lawrence R. Wantuck	Hollywood
1988	Dr. Betty Lichtenberg (deceased)	Temple Terrace
1989	Dr. Elroy Bolduc	Gainesville
1990	Dr. Douglas Brumbaugh (deceased)	Chuluota
1991	Dr. Tom Denmark (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. Carol Halka	Pembroke Pines
2009	Mrs. Debbie Gillis	Okeechobee
2010	Mrs. Ann Marie Hubscher	Rockledge
2011	Mrs. Nancy Kinard	Palm Beach
2012	Dr. Lou Crawford Cleveland	Chipola College
2013	Mrs. Charlene Kincaid	Milton

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, 2015.
 For more information visit the FCTM website at www.fctm.net



- PROXIMITY TO MAJOR ATTRACTIONS**
- 1) Sponge Docks/Historic District
 - 2) Caladesi/Honeymoon Islands
 - 3) Knology Park
 - 4) Brighthouse Field
 - 5) Clearwater Beach
 - 6) Tropicana Field
 - 7) Tampa Int'l Airport/Int'l Mall
 - 8) Raymond James Stadium
 - 9) Hyde Park
 - 10) Channelside/Ybor City
 - 11) Busch Gardens
 - 12) Hard Rock Casino



Innisbrook
A SALAMANDER GOLF & SPA RESORT



Opening Session including Guest Speaker Dan Meyer

Title: “Fake-World Math: How Math Modeling Goes Wrong And How To Get It Right.”

8:00-10:15

Location: Stirling Ballroom



Dan Meyer taught high school math to students who didn't like high school math. He has advocated for better math instruction on CNN, Good Morning America, Everyday With Rachel Ray, and TED.com. He currently studies math education at Stanford University, speaks internationally, and works with textbook publishers, helping them move from education's print past to its digital future. He has worked for Google and was named one of Tech & Learning's 30 Leaders of the Future and an Apple Distinguished Educator. He lives in Mountain View, CA.

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #3 Hands on activities for statistics

Presented by: Jeane Swaynos swaynos@cfl.rr.com

high school math teacher (retired) Seminole county public schools

10:15-11:15

Location: Stirling B

Audience: High School 9-12

Description: This presentation will show hands on activities that could be used when teaching statistics. This will focus on the vocabulary and symbols used in statistics such as population, parameter, statistics, proportions, means, inferential statistics

This will be a series of short activities that show mean, interquartile range and matching graphs with box plots and summary statistics. The activities could be used for all levels of statistics when teaching statistics.

Session #4 Pyramath, Fractazmic, and Prime Bomb - Learning with Games

Presented by: Dr. Ronald Eaglin eaglinr@daytonastate.edu

Associate Vice President, College of Technology Daytona State College

10:15-11:15

Location: Stirling C

Audience: Elementary PreK-2, Elementary 3-5, Middle 6-8, High School 9-12

Description: The inventor of the games Pyramath, Fractazmic, and Prime Bomb will give workshops on how to use these games in a classroom setting. Card decks will be provided (and you get to keep them).

Session #5 Keeping the Kids Engaged - Centers, Sorts, and Virtual Field Trips

Presented by: Jacalyn Anderson anderson.jacalyn@brevardschools.org

Mathematics Teacher Brevard Public Schools

Todd Rassman, Math Coach, Brevard Public Schools, rassman.todd@brevardschools.org

10:15-11:15

Location: Stirling D

Audience: Middle 6-8

Description: The presenters will demonstrate stations, centers, sorts, and virtual field trips that have been used effectively in their classrooms to keep the students engaged.

Participants will work through some activities and leave with materials that are ready to use and adapt in their own rooms.

Session #6 Rigor, not just a word but a way to teach!

Presented by: Elizabeth Pruitt elizabeth.pruitt@stlucieschools.org

Math K12 Lead St. Lucie Public Schools

Tari Sexton Math Instructional Partner St. Lucie Public Schools

tari.sexton@stlucieschools.org

10:15-11:15

Location: Stirling E

Audience: Elementary 3-5

Description: Rigor isn't just a word that we say. It should be an action within all of our classrooms. This session focuses on raising the rigor in your classroom through the work of Webb's Depth of Knowledge. Change your classroom instruction through the use of the Standards for Mathematical Practice to engage students into the mathematics.

Session #7 The Archaeology of Math: New Approaches to Discovering Math Concepts

Presented by: Nicole Grinnan ngrinnan@uwf.edu

Public Archaeology Coordinator Florida Public Archaeology Network

Rebecca O'Sullivan, Public Archaeology Coordinator, Florida Public Archaeology Network,
rosulliv@usf.edu

10:15-11:15

Location: Stirling F

Audience: General Interest, Middle 6-8, Geometry

Description: Archaeologists use methods derived from geometry, algebra, and statistics in their everyday work to try to answer questions about people in the past. From laying out excavations units on a grid and mapping sites, to using ratios and statistics to answer questions about artifacts and ancient cultures, archaeology provides many applications for math. This presentation will provide you with activities using mathematical concepts that your students are learning based on real-world examples from archaeology.

Like us on Facebook!
FCTM – Florida Council
of Teachers of
Mathematics



Session #8 The Tangy Drink - Model Concept-Driven Learning to Address Ratio

Presented by: Mr Rudy Neufeld rneufeld@neufeldlearning.com

author & consultant Thames Schools & Neufeld Learning

Dr Nancy Beights, Retired Math Supervisor, Collier County Schools, Neufeld Learning Systems Inc. nancybeights@gmail.com

10:15-11:15

Location: Stirling G

Audience: Middle 6-8

Description: This presentation addresses ratio tables, double number lines, sampling and scale drawings. Specific lessons using instructional technology will model differentiation through multiple entry points as well as multisensory experiences and seamless integration of content and instruction.

Session #9 The Play Phenomenon: Transforming mathematical classrooms with toys.

Presented by: Mr Kenneth Butler butlerk1@usf.edu

PhD student USF

Ruthmae Sears, Ph.D Assistant Professor in Mathematics Education University of South Florida ruthmaesears@usf.edu

10:15-11:15

Location: Stirling H

Audience: Elementary 3-5, Middle 6-8, Geometry, High School 9-12

Description: This presentation will illustrate how play can be used to enhance the learning environment, motivate students, and facilitate student engagement. For example, Lego can be used to develop an understanding of base and number sense; the Pythagorean Theorem can be proven with the help of an Erector set; scatterplots and regressions can be found using Hotwheels; and symbolic logic can be developed playing Minecraft. Therefore, we will play games and have fun, while learning mathematical concepts!

Session #10 Engaging with iPad Apps for Mathematics

Presented by: Ms. Sharyn Gabriel sharyn@apple.com

K-12 Educational Development Executive Apple

10:15-11:15

Location: Stirling I

Audience: Administration, Leadership, District Personnel

General Interest

Description: A hands-on experience using digital content and content creation tools that enable students to demonstrate their learning and express their creativity in mathematics.

Session #11 Facilitating Changes in Classroom Norms Using an Observational Rubric

Presented by: Melody Elrod melodyelrod@mail.usf.edu

Graduate Researcher University of South Florida

10:15-11:15

Location: Stirling L

Audience: College, Teacher Educators, Research, Middle 6-8, Algebra, Geometry, High School 9-12

Description: For teachers implementing an inquiry-based approach, it is often difficult to capture and provide feedback on the non-tangible aspects of instruction such as engagement, mathematical thinking, and discourse. This presentation will provide teachers with a much-needed tool for collecting data that will (1) inform the development of healthy classroom norms that facilitate the inquiry-based approach and (2) serve as a means of giving feedback to students as they develop these essential skills.

Session #12 Florida Changed the Standards and We are Ready!

Presented by: Lloyd Jones ljones@cainc.com

National Implementation Consultant Curriculum Associates

10:15-11:15

Location: Stirling M

Audience: Administration, Leadership, District Personnel, Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: Every teacher, school, and district knows that differentiating is the cornerstone of effectively reaching every child, so how can we manage and practically implement focused and rigorous instruction? Session will cover manageable and practical strategies and tools for K-12 mathematics.

Session #13 Student Guided & Self-Correcting Math Centers

Presented by: Rich Stuart rich@learningwrapups.com

Vice President Learning Wrap-ups, Inc.

10:15-11:15

Location: Stirling N

Audience: General Interest, Elementary PreK-2, Elementary 3-5, Algebra, Geometry

Description: Learn about, play with and keep Math Center materials that are Student Guided, Hands-on, and Self Correcting.

Session #14 Let's Play: A Showcase of Online Games to Promote Mathematical Learning

Presented by: Sharlene Smith sharlene1@mail.usf.edu

Master's Degree Candidate University of South Florida

Ruthmae Sears, Ph.D Assistant Professor in Mathematics Education University of South Florida ruthmaesears@usf.edu

10:15-11:15

Location: Stirling O

Audience: Elementary PreK-2, Elementary 3-5, Middle 6-8, High School 9-12

Description: This presentation will showcase various online mathematical games that can enhance enacted lessons, promote students engagement in mathematics, and facilitate higher cognitive thinking skills. To structure the presentation, we will review the NCTM Technology Standards, and provide demonstrations of how various games can be used to enrich the teaching and learning of mathematics. We will explore websites such as Virtual World, Mind Craft, and Fun Games.

Session #15 Algebra Nation: A Free University of Florida Tool for Continual Student and Teacher Success in Algebra (2 versions: MAFS/NGSSS)

Presented by: Dr. Joy Schackow schackow@coe.ufl.edu

Professor in Residence University of Florida

Amy Adams, Algebra Nation, amy@algebranation.com

10:15-11:15

Location: Stirling P

Audience: Algebra

Description: You probably know that ALGEBRA NATION is a free resource being used by over half of Florida's Algebra 1 teachers and students. But do you know exactly what it is and how teachers use it? Do you know that there is now a teachers-only area in Algebra Nation? Come find out how you can use ALGEBRA NATION with your students and use the teachers-only area as a professional development resource for YOU as you implement the new MAFS Algebra Standards.

Session #16 Math Mastery for Tier 3 Learners! Oh, yes they can!Presented by: Kathy Peck-Martin kpeckmar@pasco.k12.fl.us

Technology Coordinator user of Academy of Math

Diane Barber, Educational Consultant, EPS Literacy and Intervention


diane.barber@schoolspecialty.com

10:15-11:15

Location: Stirling Q





Audience: Administration, Leadership, District Personnel, Elementary 3-5, Middle 6-8, High School 9-12

Description: Using an intensive, online program for students struggling with math. The program uses systematic instruction that begins with simple concepts and moves to more complex skills. Ongoing assessment and progress monitoring provide robust data to inform instruction and show student progress. Hear about Oakstead's student's success in their math lab!



CASIO.
Simply Calculate The Difference!

CHECK OUT THE CASIO DIFFERENCE AT FCTM | OCTOBER 23-25, 2014

	Technology - There's a CASIO® calculator for every level of education		WORKSHOPS - Focused, hands-on workshops combine resources and technology to provide teachers with ready-made lessons in areas like S.T.E.M. and S.T.E.A.M.
	RESOURCES - Inquiry based lessons support teachers and engage students in real world applications		INTEGRATION - Casio technology, training and resources enhance student learning

Available for Every Level of Education

Stop by the CASIO® booth at FCTM and visit us at www.casioeducation.com

It's the Total Solution *for the Common Core*

Session #2 Special Guest Speaker Florida Commissioner of Education Pam Stewart

11:30-12:30

Location: Stirling Ballroom



Mrs. Pam Stewart brings a broad range of educational experience and perspective to her role as Commissioner for the Florida Department of Education.

Commissioner Stewart began her teaching career in Hillsborough County before moving to Marion County where she spent 25 years in education. She was a guidance counselor, district testing and research specialist, assistant principal, and then principal first at Reddick-Collier Elementary and then at Vanguard High School.

In 2004, she was named Deputy Chancellor for Educator Quality at the Florida Department of Education. She served in that position until 2009 when she moved to the St. Johns County School District to become Deputy Superintendent for Academic Services.

She returned to the department in 2011 as Chancellor of Public Schools, overseeing K-12 student achievement; standards, instruction, and student services; school improvement; educator quality; Just Read, Florida!; the Office of Early Learning; and Florida's Virtual Education Program. These areas and programs provide support for Florida's PreK-12 education system, which serves more than 2.7 million students and 192,000 educators.

She became interim Commissioner of Education for the second time in August of 2013 and the State Board of Education voted for her appointment in September of 2013. In her role as Commissioner of Education, she oversees the Division of Public Schools; the Florida Colleges System; Vocational Rehabilitation; Blind Services; the Division of Accountability, Research and Measurement; and Finance and Operations for the Department of Education.

Commissioner Stewart holds a Bachelor of Arts in Elementary Education/Early Childhood from the University of South Florida and a Master of Education in Counselor Education from the University of Central Florida. Postgraduate coursework at Stetson University earned Stewart her certification in educational leadership.

Session #17 Purposeful Math Talk: Why it Matters and How to Plan for it.

Presented by: Douglas Hill hilldo@pcsb.org

Elementary Mathematics Staff Developer Pinellas County Schools

11:30-12:30

Location: Stirling B

Audience: Administration, Leadership, District Personnel, Elementary 3-5

Description: Math Talk. How does it support the Mathematics Florida Standards? Why is it important? How do I plan for purposeful math talk? What should it look like in my classroom? In this session we'll practice engaging in mathematical talk structured around a high cognitive demand task. Also, we'll use the framework from 5 Practices for Orchestrating Productive Mathematical Discourse (Smith & Stein, 2011) to collaboratively plan instruction around a high cognitive demand task aligned to the Mathematics Florida Standards.

Session #18 Creating Discourse in the Classroom: Triangles, Quadrilaterals, and Other Polygons

Presented by: Heidi Eisenreich heisenreich@knights.ucf.edu

Doctoral Student University of Central Florida

11:30-12:30

Location: Stirling C

Audience: Elementary 3-5

Description: Participants will learn how to introduce different types of polygons to facilitate student discourse. They will use Shape Cards to classify and define polygons, and Angles to create different polygons and classify triangles and quadrilaterals. Then they will extend and review what we discussed by doing a group exercise and individual activity.

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #19 A Hands-On Mathematics Function Activity Integrating Science Gas Laws and Technology

Presented by: Dr. Kathleen Mittag kcagemittag@yahoo.com

Retired Mathematics Professor University of TX at San Antonio

11:30-12:30

Location: Stirling D

Audience: High School 9-12

Description: New ideas to integrate math, science and technology support student learning. The hands-on activity uses inexpensive manipulatives (soda cans, plastic syringes) to model functions for scientific gas laws. Topics covered: measurement; mean; graphing; tables; independent/dependent variables; direct/indirect/inverse functions; dimensional analysis; domain; range; problem solving; interpretation of function graphs; percent error; units used to express air pressure; and Florida Mathematics Standards used.

Session #20 Engage, Manipulate, Build, Reflect, Apply - leads to Ownership of the Fraction Concept

Presented by: Mr. Rudy Neufeld rneufeld@neufeldlearning.com

senior author & consultant Thames Valley Schools & Neufeld Learning

Dr Nancy Beights .. retired math coordinator of Collier County, Neufeld Learning Systems Inc. nancybeights@gmail.com

Andrea Sanchez .. technology coordinator at Bay Point Elem Magnet school... Pinellas County sancheza@pcsb.org

11:30-12:30

Location: Stirling G

Audience: Elementary 3-5+

Description: Change the Mindset from "Remember How" to "Understand Why". This session will model a variety of environments to stimulate learning with various approaches which are adaptable to the regular classroom as well as for intervention. We will address specific concepts within the 3 to 5 curriculum including the modeling of fraction multiplication and division with multiple entry points and seamless integration to support both content and instruction.

Session #21 Assessing Students' Deductive Reasoning in Algebra Proofs

Presented by: Dr. KoSze Lee ko-sze.lee@unf.edu

Asst Professor of Math Education University of North Florida

11:30-12:30

Location: Stirling H

Audience: Algebra, High School 9-12

Description: Students' mathematical proving remains crucial to classrooms practices which are aligned with the Mathematics Practices in the Mathematics Florida Standards.

However, teachers often face challenges in teaching mathematical proving (Knuth, 2002).

Part of that challenge is to assess students' proficiency in deductive reasoning. Through examining students' written algebra proofs, this session guide teachers in applying strategies to pose mathematical proving tasks, a scheme to classify students' work, and a rubric to interpret their levels of deductive reasoning.

Session #22 Igniting Teachers and Dazzling Students: Learning Scales as the Magic to Propel Teacher Epiphanies and Entice Students to Full Engagement

Presented by: Shelley Mann mannms@santarosa.k12.fl.us

4th Grade Teacher and Santa Rosa County Math Teacher of the Year Gulf Breeze

Elementary, Santa Rosa County

Pam Smith Director of Elementary Education Santa Rosa County

smithp@santarosa.k12.fl.us

Warren Stevens Principal Gulf Breeze Elementary Santa Rosa County

stevensw@santarosa.k12.fl.us

11:30-12:30

Location: Stirling I

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: What is that missing link between objectives and student engagement? Is there a magic recipe to quickly and efficiently reveal to students where they are and where they're going? Yes, there is. Come see how a mentoring model between a district director, principal and this 4th grade teacher guided her to a career-changing epiphany and unimagined degrees of engaged ownership for her students.

Session #23 Symphony Math- A Three-step program to help students who struggle with math!Presented by: Mrs Kristine Marsh kmarsh@destknow.com

President Destination Knowledge

11:30-12:30

Location: Stirling L

Audience: Administration, Leadership, District Personnel, General Interest, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: Symphony Math-Join us for our interactive demonstration of Symphony Math, a K-5 Universal Screener, Benchmark and Intervention program. Symphony Math is fully operational on iPads and any browser! The program teaches the foundation of math, ensuring students understand why $2 \times 2 = 4$. This adaptive program takes the students through 17 stages using online manipulatives, manipulatives & symbols, symbols only, audio statements and word problems.**Session #24 Geometry Without a Reference Sheet**Presented by: Robin O'Brien robin.obrien@palmbeachschools.org

Secondary Mathematics Resource Teacher Palm Beach County

11:30-12:30

Location: Stirling M

Audience: Middle 6-8, Geometry

Description: This presentation includes a look at teaching the progression of Geometry standards from Grade 6 through high school Geometry WITHOUT having to use a reference sheet. Help students learn to make sense of the formulas and how they are used rather than being forced to memorize them or rely on a reference sheet.

Session #25 Using Technology Appropriately on SAT/ACT/AP examsPresented by: Mike Reiners mreiners@chof.net

Math/Science Department Chair Christ's Household of Faith School, St. Paul, MN

11:30-12:30

Location: Stirling N

Audience: Administration, Leadership, District Personnel, Algebra, Geometry, High School 9-12

Description: Using a variety of sample problems, we will explore and discuss effectual use of graphing calculator technology on various high-stakes college prep exams, including SAT, ACT, AP Calculus, and AP Statistics

Session #26 The Math Party: Sing! Dance! Exercise! Learn!

Presented by: Dr. Stephanie Pasley info@TheMathParty.com

Educational Consultant The Math Party Program

11:30-12:30

Location: Stirling O

Audience: Administration, Leadership, District Personnel, General Interest, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: In this electrifying session, you will SING, DANCE, EXERCISE and LEARN!! This session encompasses songs, chants, exercises and dance movements that will invigorate your existing math curriculum! Aligned with the Common Core Standards, the motivating, musical, mathematical repertoire includes age-appropriate content for students in grades K-6. This session is interactive, motivational, inspirational, and educational!! Don't be tardy for the MAAAAATH PAARRTY!!

Session #27 Number Talks

Presented by: Laura Tomas laura.tomas@palmbeachschools.org

Elementary Mathematics and Science Coach Orchard View Elementary School

Robin Levin Mathematics Resource Teacher Pine Jog Elementary School

robin.levin@palmbeachschools.org

11:30-12:30

Location: Stirling P

Audience: Administration, Leadership, District Personnel, Elementary PreK-2, Elementary 3-5

Description: Learn what Number Talks are all about! Based on the book Number Talks by Sherry Parrish, find out what you can do to increase your students' mental math strategies.

Session #28 Math Mastery for Tier 3 Learners! Oh, yes they can!

Presented by: Kathy Peck-Martin kpeckmar@pasco.k12.fl.us

Technology Coordinator user of Academy of Math

Diane Barber, Educational Consultant, EPS Literacy and Intervention

diane.barber@schoolspecialty.com

11:30-12:30

Location: Stirling Q

Audience: Administration, Leadership, District Personnel, Elementary 3-5, Middle 6-8, High School 9-12

Description: Using an intensive, online program for students struggling with math. The program uses systematic instruction that begins with simple concepts and moves to more complex skills. Ongoing assessment and progress monitoring provide robust data to inform instruction and show student progress. Hear about Oakstead's student's success in their math lab!

Session #29 Implementation of the Mathematical Shift of Rigor through Problem-Based Learning Tasks for Elementary School

Presented by: Christine Bell cbell@pasco.k12.fl.us

Curriculum Specialist, K-12 Mathematics District School Board of Pasco County

Brian Dean Senior Instructional Specialist, 6-12 Mathematics District School Board of Pasco County bdean@pasco.k12.fl.us

12:45-1:45

Location: Stirling B

Audience: General Interest, Elementary PreK-2, Elementary 3-5

Description: Facilitators will model how to deepen student understanding by utilizing "real-world" tasks in the classroom. Based on the work of Smith and Stein, 5 Practices for Orchestrating Productive Mathematical Discussion, teachers will participate in a task-oriented learning environment through the lens of a student. This will help teachers better understand how to intentionally plan for mathematical tasks that engage students and incorporate the eight Standards for Mathematical Practice.

Session #30 Mathematics End-of-Course Florida Assessments (FSA) update

Presented by: Terri Sebring sebringt@leonschools.net

Mathematics Content Specialist FDOE Test Development Center

Travis Barton, Mathematics Content Specialist, FDOE Test Development Center, bartont@leonschools.net

June Campbell, Mathematics Content Specialist, FDOE Test Development Center, campbellj@leonschools.net

12:45-1:45

Location: Stirling Ballroom East

Audience: General Interest, Algebra, Geometry, High School 9-12

Description: The Florida Department of Education's Test Development Center will present information on Florida Standards Assessments (FSA) for Algebra 1, Geometry and Algebra 2 End-of-Course Assessments, the FSA portal and resources.

Like us on Facebook!
FCTM – Florida Council
of Teachers of
Mathematics



Session #31 Teaching Algebraic Concepts to Young StudentsPresented by: Evelyn Riley info@borenson.com

Consultant Borenson and Associates, Inc.

12:45-1:45

Location: Stirling C

Audience: Administration, Leadership, District Personnel, Elementary 3-5, Middle 6-8, Algebra

Description: The value of introducing algebraic concepts to students in grades 4 - 8 will be highlighted by using the visual and kinesthetic mode of Hands-On Equations®. The basic methods and approaches used in teaching young children algebraic concepts using a discovery-based approach will be demonstrated. Participants will have the opportunity to solve linear equations and verbal problems. Each participant will receive a set of algebra manipulatives.

Session #32 Mathematics + Literacy = ComprehensionPresented by: Debbie Beavers dwbeaver@volusia.k12.fl.us

Teacher Volusia County Schools Deltona High School

12:45-1:45

Location: Stirling D

Audience: High School 9-12

Description: How can we incorporate literacy strategies in the mathematics classroom? Strategies used in mathematics do not always follow what the students or others think about literacy. However, good mathematicians and good readers have many of the same characteristics. By using these strategies, students can increase their comprehension.

Session #33 Teaching Algebraic Concepts to Young StudentsPresented by: Evelyn Riley info@borenson.com

Consultant Borenson and Associates, Inc.

12:45-1:45

Location: Stirling E

Audience: Elementary 3-5, Middle 6-8, Algebra

Description: The value of introducing algebraic concepts to students in grades 4 - 8 will be highlighted by using the visual and kinesthetic mode of Hands-On Equations®. The basic methods and approaches used in teaching young children algebraic concepts using a discovery-based approach will be demonstrated. Participants will have the opportunity to solve linear equations and verbal problems. Each participant will receive a set of algebra manipulatives.

Session #34 Math and Science: Perfect together through hands-on data collection and analysis.

Presented by: Karlheinz Haas kh76356@gmail.com
Math/Physics Instructor The Pine School

12:45-1:45

Location: Stirling F

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Algebra, High School 9-12

Description: How can you get your science colleagues to join and use real data to explore the mathematics content? Meet the TI-Nspire™ handheld, again! Move from the typical teacher-led classroom to one that focuses on problem-solving and exploratory learning. The combination of the TI-Nspire CX with sensors helps maximize class time and provide opportunities for engaging inquiry. Use one sensor at a time or multiple sensors simultaneously to quickly collect/analyze data. Several sensors will be available to explore this integrated solution.

Session #35 Activities to use when teaching statistics

Presented by: Mrs Jeane Swaynos swaynos@cfl.rr.com
Retired mathematics teacher Seminole county

12:45-1:45

Location: Stirling G

Audience: Middle 6-8, High School 9-12

Description: The presentation will include a series of short activities that could be used when teaching statistics. This includes all "hands on" activities that could be used for all levels of students

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #36 What's the difference? Exploring relational thinking about subtraction

Presented by: Dr. Ian Whitacre iwhitacre@fsu.edu

Assistant Professor Florida State University

Zachary Champagne, Assistant in Research FCR-STEM zchampagne@lsi.fsu.edu

Andrea Goddard, Elementary Mathematics Curriculum Developer Leon County Schools
goddarda@leonschools.net

Robert C. Schoen, Associate Director FCR-STEM rschoen@lsi.fsu.edu

12:45-1:45

Location: Stirling H

Audience: Elementary PreK-2, Elementary 3-5

Description: How do students solve $100 - 3$? What about $41 - 39$? Do they use different ways of reasoning depending on the numbers? We will describe how hundreds of first and second graders in Florida approached problems like these, highlighting distinct ways of reasoning about subtraction. We will engage participants in problem solving in order to bring these ways of reasoning to life. We will also share activities and suggestions for encouraging students to think relationally when solving subtraction tasks.

Session #37 Developing Students Mathematical Expertise through Engaging Students in the Standards for Mathematical Practice

Presented by: Dr Kristopher Childs kristopher.childs@ucf.edu

Project Director University of Central Florida

12:45-1:45

Location: Stirling I

Audience: Elementary PreK-2, Elementary 3-5

Description: What are the Standards for Mathematical Practices? How do students engage in the Standards for Mathematical Practice? In this session participants will explore the eight Standards for Mathematical Practice through explanations and implementation characteristics.

Session #38 Driving Miss Google: A road map to using Google in the classroom

Presented by: Alicia Linder alicia.linder@lwcharterschools.com

Dean of Mathematics Edward W. Bok Academy

12:45-1:45

Location: Stirling L

Audience: Administration, Leadership, District Personnel, General Interest, Elementary 3-5, Middle 6-8, Algebra, Geometry, High School 9-12

Description: Discover the power behind the engine! Google isn't just for searching the internet, come and learn how to use Google Drive to your advantage in the classroom. The power of Google will have you wanting to upgrade, from Gmail to Voice and all points in between. Don't worry, we will provide you with a FREE road map!

Session #39 The Ascend Math Solution, a K-Algebra II math diagnostic, placement and intervention program.

Presented by: Mrs Kristine Marsh kmarsh@destknow.com

President Destination Knowledge

12:45-1:45

Location: Stirling M

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5, Middle 6-8, Algebra, Geometry, High School 9-12

Description: Ascend Math is fully operational on iPads and any browser! The program will automatically place each individual student where he needs to be and through guided notes, video instructors (with closed-captioning in English & Spanish), simulations/explorations, practice problems and reviews, students will master skill gaps testing out of already known content. Please join us for your chance to win a free trial for up to 50 students!

Session #40 Visualizing Theorems: The Use of Dynamic Technology in AP Calculus

Presented by: Mike Reiners mreiners@chof.net

Math/Science Department Chair Christ's Household of Faith School, St. Paul, MN

12:45-1:45

Location: Stirling N

Audience: High School 9-12

Description: Using animations and manual manipulation, participants will gain a stronger visual understanding of AP Calculus concepts, such as a secant line approaching a tangent line, the relationship between a function and its derivatives, and landmark theorems.

Session #41 Using Problem Solving and Student Centered Discussion to Teach Math Concepts in the Primary Classroom

Presented by: Lori Price lori.price@stjohns.k12.fl.us

first grade teacher St. Johns County Schools

12:45-1:45

Location: Stirling O

Audience: Elementary PreK-2

Description: This session will focus on using problem solving and student conjectures to help students develop a deep understanding of math concepts in the primary classroom. Student work and examples of student conjectures will be shared. Participants will participate in activities that demonstrate the difference between teaching students to solve a problem and using a problem solving situation to teach mathematical concepts.

Session #42 Engaging with iPad Apps for MathematicsPresented by: Ms. Sharyn Gabriel sharyn@apple.com

K-12 Educational Development Executive Apple

12:45-1:45

Location: Stirling P

Audience: Administration, Leadership, District Personnel, General Interest

Description: A hands-on experience using digital content and content creation tools that enable students to demonstrate their learning and express their creativity in mathematics.

Session #43 STEM to STEAM to STREAM... Math is ALWAYS included!Presented by: Mr. Kurt Jolly ArtsLearningLab@gmail.com

Learning Lab Instructor/ Admin Team Manatee School of Arts and Sciences

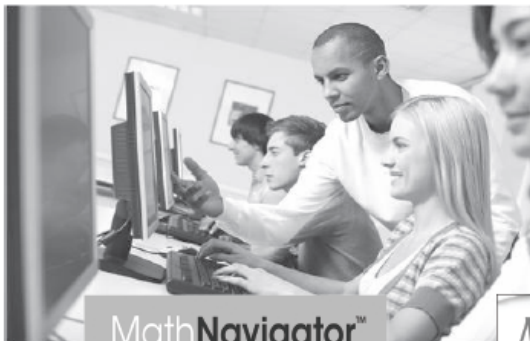
12:45-1:45

Location: Stirling Q

Audience: General Interest

Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: Using current pop culture themes, teachers will learn how to blend Mathematics in all areas. Using this approach, teachers will learn how to not only just teach mathematics, but also be able to show real-world connections in all content areas. Buzz Words such as "STEM (Science, technology, Engineering, Math)", "STEAM (including Arts)" and "STREAM (adding Reading to the mix)" are popular phrases in the educational landscape, and MATH is always a part of it.. Now learn ways to use it!



MathNavigator™
Common Core

MathNavigator®

Math Navigator® is designed for students who struggle with math and can't seem to catch up. Targeted intervention modules get at the root causes and misconceptions that so often prevent student progress. (Grades 1-8)

**MathXL®**

MathXL® for School helps teachers create, edit, and assign online practice and remediation for mathematics. Unlimited practice for building fluency with immediate feedback! (Grades 6-12)

**On Ramp to Algebra™**

OnRamp to Algebra™ ensures that at-risk students are successful in Algebra. This intensive intervention solution utilizes the classroom workshop model to build and solidify foundational skills and conceptual understanding.

For more information, contact:

Deb McGinley
deb.mcginley@pearson.com

Pam Revels
pam.revels@pearson.com

Copyright Pearson Education, Inc., or its affiliates. All rights reserved.

E0914-019

Session #44 Connecting the Dots - Domino Math Games

Presented by: Stephanie Garcia jane@boxcarsandoneeyedjacks.com
teacher/consultant Box Cars and One-Eyed Jacks

2:00-3:00

Location: Stirling B

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2, Elementary 3-5

Description: Come prepared to play games that incorporate the use of standard dominoes that teach the following CCSS: patterning, numeration and place value, all operations, fractions, graphing. Dominoes are easy to use and integrate into your math program and are appealing to all learners. Ideas for differentiating the games will be provided. Gameboards, student samples, ideas for assessment will be shared. Great for regular, Title, ELL, DI, and afterschool programs.

Session #45 Probability what are the chances!

Presented by: Susan Lee rebecca.lee@ocps.net
Mathematics Department Chairperson OCCTM
Dawn Feeney dawn.feeney@ocps.net

2:00-3:00

Location: Stirling C

Audience: Middle 6-8, Algebra, High School 9-12

Description: Participants will be active participants doing several probability and statistics' activities. We will use cubes, dice, games and many other items. Handouts will be provided. This workshop is intended to help middle and high school teachers with the new statistics and probability standards that are now in the high school curriculum.

Session #46 Solving a Classic Geometry Problem using the TI-Inspire

Presented by: Marsha Guntharp marsha_guntharp@pba.edu
Associate Professor Palm Beach Atlantic University
Jim Swick Assistant Professor Palm Beach Atlantic University jim_swick@pba.edu

2:00-3:00

Location: Stirling E

Audience: General Interest, Geometry, High School 9-12

Description: In this session, participants will use the TI-Nspire handheld (furnished) dynamic geometry application to solve the well-known "Surfer and Spotter" problem (from Geometry by Harold Jacobs) by constructing equilateral triangles, perpendicular lines, intersections, and then measuring and calculating to reveal a surprising result.

Session #48 It's Time to Sack the Sage on the Stage

Presented by: Virginia Virgona virginia.virgona@ocps.net

High School Math Teacher OCCTM

Megan Hannon High School Math Teacher OCCTM megan.hannon@ocps.net

2:00-3:00

Location: Stirling G

Audience: Algebra, Geometry

Description: It can be difficult to shift our teacher centered instruction to student centered. In this session we will give you classroom tested, successful strategies and activities that take the focus from the teacher and make student engagement and learning become center stage. Although these strategies can be adapted for any secondary math course our examples will focus on Algebra and Geometry.

Session #49 Sharing classroom ideas and activities by publishing in Dimensions

Presented by: Dr. Rick Austin austin@usf.edu

FCTM Board Member USF retired

2:00-3:00

Location: Stirling H

Audience: General Interest

Description: We will focus on the types of articles that are most wanted for publication in Dimensions. Some "old" copies will be available to examine. The details of what to include and perhaps what to avoid will be discussed. Share potential ideas with the editor.

Session #50 Making the Florida Standards Come Alive Through Lesson Study

Presented by: Claire Riddell claire.riddell@stjohns.k12.fl.us

Instructional Coach Wards Creek Elementary, St Johns County School District

Laura Burrell Math Coach Holiday Hill Elementary, Duval County Public Schools

burrelll1@duvalschool.org

2:00-3:00

Location: Stirling I

Audience: Elementary PreK-2, Elementary 3-5

Description: Presenters will share their experiences participating in and facilitating lesson study at the team, school, district and international level. Participants will gain insight into ways to utilize lesson study to enhance the mathematical understanding of teachers and students. Come engage with us as we explore ways to make the Florida Standards come alive through lesson study!

Session #51 Casey Passed .. and it was no Miracle!

Presented by: Libby Chaskin libbyc@aol.com

Independent Consultant UTEACH, University of Texas San Antonio

2:00-3:00

Location: Stirling L

Audience: Administration, Leadership, District Personnel, Elementary 3-5, Middle 6-8, Algebra, Geometry, High School 9-12

Description: This session will focus on math interventions that really work! The speaker will demonstrate Blitzes, fact charts, game prizes, computer work and most of all, hard work! There will be prizes and fun for all.

Session #52 Understanding Fractions: Area Model

Presented by: Heidi Eisenreich heisenreich@knights.ucf.edu

Doctoral Student University of Central Florida

2:00-3:00

Location: Stirling L

Audience: Elementary PreK-2, Elementary 3-5

Description: With the Common Core State Standards being implemented in most states, teachers are expected to introduce fractions in a way that aligns with these standards. Participants will create a fraction kit and use it to play varieties of a game, talk about vocabulary to use when creating word problems, and then spend time creating their own word problems and working them out.

Session #53 The Mathematics of Angry Birds

Presented by: John Diehl john3500i@att.net

Teacher (Retired) / Consultant CTAC

2:00-3:00

Location: Stirling M

Audience: High School 9-12

Description: The popular game Angry Birds will be used to motivate explorations of projectile motion. We'll collect data on the position for a flight, and develop models with a focus on parametric models for position and time. We'll explore connections between the coefficients, the variables of angle and velocity, the path, and the gameplay.

Session #54 Flying Under the Bridge: Using Math, Technology and Real world problems that meet CCS.

Presented by: Tracey Zak Johnson tzakjohnson@yahoo.com
Consultant Various Texas ISD's

2:00-3:00

Location: Stirling N

Audience: High School 9-12

Description: Engage students in your math class by involving them in real world problems. Ever wondered if a commercial airliner would be able to fly under the Harbour Bridge in Australia? In this session, teachers will use technology to investigate quadratics in order to answer this question. Teachers will receive full lesson plans aligned to CCS, software and complete student investigation to enable duplication of the activity in their classroom.

Session #55 10 Days to Multiplication Mastery

Presented by: Rich Stuart rich@learningwrapups.com
Vice President Learning Wrap-ups, Inc.

2:00-3:00

Location: Stirling O

Audience: General Interest, Elementary 3-5

Description: Teach your students Multiplication Facts in 10 Days by emphasizing the power of Commutative Properties along with fun methods of practice.

Session #56 Brain-Based Research and Mastering the Common Core Standards

Presented by: Nina Kuhn nkuhn@pendalearning.com
Chief Academic Officer Penda Learning

2:00-3:00

Location: Stirling P

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Elementary 3-5, Middle 6-8, Algebra

Description: This session explores brain research and the physiology of learning coupled with how students can master the Common Core Standards by applying principles of brain-based research. It discusses how to revolutionize the way that we teach and learn in today's classrooms using E-learning, brain-based research and evidenced based strategies. This session is informational, inspirational, and has helpful material for teachers educating students in grades Pre K to 12.

Session #57 STEM to STEAM to STREAM... Math is ALWAYS included!

Presented by: Mr. Kurt Jolly ArtsLearningLab@gmail.com

Learning Lab Instructor/ Admin Team Manatee School of Arts and Sciences

2:00-3:00

Location: Stirling Q

Audience: Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: Using current pop culture themes, teachers will learn how to blend Mathematics in all areas. Using this approach, teachers will learn how to not only just teach mathematics, but also be able to show real-world connections in all content areas. Buzz Words such as "STEM (Science, technology, Engineering, Math)", "STEAM (including Arts)" and "STREAM (adding Reading to the mix)" are popular phrases in the educational landscape, and MATH is always a part of it.. Now learn ways to use it!

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

- Southwestern Middle School of Volusia County has already seen an average gain of 28% this school year on Ascend Math!
- Symphony Math & Ascend Math are research-based, proven, automated adaptive web-based programs.
- Foundational & Flexible Thinking Instruction
- English & Spanish Supports
- Transfers problem solving to off line activities
- Symphony Math: K -5 Ascend Math K-Algebra II



800-889-4886

www.DestKnow.com

Come join us for our sessions and to claim your free trial*!

*Some exclusions apply.

Symphony Math: Thursday, 10/23 11:30-12:30 room Stirling L

Ascend Math: Thursday, 10/23 12:45-1:45 room Stirling M

Ascend Math: Friday, 10/24 2:15-3:15 room Stirling I

Proud Sponsor of the FCTM Board Luncheon.

Elementary: Cookie and Beverage Break (Door Prizes) -

Thursday, October 23, 2014

3:15 PM

Exhibitor Display Area - Inverness Ballroom

Session #58 Middle Years Math Games for Linear Equations, Mixed Operations, and Mental Math

Presented by: Stephanie Garcia jane@boxcarsandoneeyedjacks.com
teacher/consultant Box Cars and One-Eyed Jacks

3:15-4:15

Location: Stirling B

Audience: Administration, Leadership, District Personnel, General Interest, Middle 6-8, Algebra

Description: Come prepared to play games that incorporate the use of motivating cards and dice that teach the following CCSS: linear equations, operations including work with integers and mixed order of operations,, critical thinking and problem solving. Ideas for differentiating the games will be provided. Gameboards, student samples, ideas for assessment will be shared. Great for regular, Title, ELL, DI, and afterschool programs.

Session #59 Middle School Mathematics Florida Standards Assessment (FSA) Update

Presented by: Ms June Campbell campbellj@leonschools.net

Mathematics Content Specialist FDOE Test Development Center

Travis Barton, Mathematics Content Specialist, FDOE Test Development Center,
bartont@leonschools.net

Terri Sebring, Mathematics Content Specialist, FDOE Test Development Center,
sebringt@leonschools.net

3:15-4:15

Location: Stirling Ballroom East

Audience: General Interest, Middle 6-8

Description: The Florida Department of Education's Test Development Center will present information on Florida Standards Assessments (FSA) for Middle School, the FSA portal, and resources.

Session #60 Get triggy with it

Presented by: Susan Lee rebecca.lee@ocps.net

Mathematics Department Chairperson OCCTM

Dawn Feeney dawn.feeney@ocps.net

3:15-4:15

Location: Stirling C

Audience: Middle 6-8, Algebra, High School 9-12

Description: Hands on activities to enhance the study of trigonometry. The teachers will make unit circle paper plates, use clinometers to find heights, play trig games, and complete a candy radian activity. These activities can be used in Algebra 2, Pre-calculus and Advanced Topics in Mathematics.

Session #61 Keeping the Kids Engaged - Centers, Sorts, and Virtual Field Trips

Presented by: Jacalyn Anderson anderson.jacalyn@brevardschools.org

Mathematics Teacher Brevard Public Schools

Todd Rassman, Math Coach, Brevard Public Schools, rassman.todd@brevardschools.org

3:15-4:15

Location: Stirling D

Audience: Middle 6-8

Description: The presenters will demonstrate stations, centers, sorts, and virtual field trips that have been used effectively in their classrooms to keep the students engaged. Participants will work through some activities and leave with materials that are ready to use and adapt in their own rooms.

Session #62 A Hands-On Mathematics Function Activity Integrating Science Gas Laws and Technology

Presented by: Dr. Kathleen Mittag kcagemittag@yahoo.com

Retired Mathematics Professor University of TX at San Antonio

3:15-4:15

Location: Stirling E

Audience: High School 9-12

Description: New ideas to integrate math, science and technology support student learning. The hands-on activity uses inexpensive manipulatives (soda cans, plastic syringes) to model functions for scientific gas laws. Topics covered: measurement; mean; graphing; tables; independent/dependent variables; direct/indirect/inverse functions; dimensional analysis; domain; range; problem solving; interpretation of function graphs; percent error; units used to express air pressure; and Florida Mathematics Standards used.

Session #63 R U C 2 Ready? Secondary Mathematics: Strengthening the Core of MAFS

Presented by: Dee Ann Wilson wildaww@yahoo.com
Special Programs Specialist Lake County Schools

3:15-4:15

Location: Stirling F

Audience: Middle 6-8, Algebra, Geometry, High School 9-12

Description: Let's explore Lake County's secondary mathematics PLC collaborative activities which will help teachers to prepare students to be college and career ready. We will concentrate on the facilitation and development of a structured mathematics PLC that will support implementation of the Mathematics Florida Standards. Come prepared to participate in collaborative mathematics activities you can share with your school or district to meet the cognitive demands of the new Mathematics Florida Standards.

Session #64 It's Time to Sack the Sage on the Stage

Presented by: Virginia Virgona virginia.virgona@ocps.net
High School Math Teacher OCCTM
Megan Hannon High School Math Teacher OCCTM megan.hannon@ocps.net

3:15-4:15

Location: Stirling G

Audience: Algebra, Geometry

Description: It can be difficult to shift our teacher centered instruction to student centered. In this session we will give you classroom tested, successful strategies and activities that take the focus from the teacher and make student engagement and learning become center stage. Although these strategies can be adapted for any secondary math course our examples will focus on Algebra and Geometry.

Session #65 AIMS: Probability and Statistics

Presented by: Carmella Crawford carmellacrawford@hotmail.com
AIMS Trainer AIMS Education Foundation

3:15-4:15

Location: Stirling H

Audience: Middle 6-8

Description: This session will give teachers an opportunity to experience mathematics as though they were the students. The activities offered will provide a hands-on approach to probability and statistics. Students will learn how to find measures of central tendency, how to display data, and how to determine the probability of getting a sum of eight. The Mathematical Practices are inherent in all the activities and each are correlated to the Common Core Standards. Hope to see you there.

Session #66 If a Picture Is Worth a Thousand Words, a Simulation Is Worth a Million!

Presented by: Mr. Jason Kopish jkopish@explorellearning.com

Education Consultant ExploreLearning

3:15-4:15

Location: Stirling I

Audience: Administration, Leadership, District Personnel, General Interest

Description: Math topics come to life and student depth of understanding soars when using online simulations to introduce, develop and expand conceptual understanding.

Participants will experience the incorporation of live simulations in a fraction lesson.

Instructional strategies will include how to use Gizmos with various interactive technologies such as the iPad, interactive whiteboard, and computer lab.

Session #67 Math and Marathons: Racing to Achievement of the Mathematical Standards of Practice

Presented by: Dr Susan Fernandez sfernand@uscupstate.edu

Assistant Professor FCTM, FAMTE, SCCTM (South Carolina Council of Teachers of Mathematics)

3:15-4:15

Location: Stirling L

Audience: General Interest, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5, Middle 6-8, High School 9-12

Description: Research has demonstrated the positive benefits of exercise in increasing students' attention spans, memory, and learning. This presentation establishes the motivational means of experiencing math through marathons. According to the Mathematical Standards, students are to develop expertise in perseverance. What better means of persevering than 26.2 miles of precisely timed and planned action. Each mathematical standards will be addressed through its relevant relationship to running with the sharing of specific, motivating and movement-related activities utilized for teaching math.

Like us on Facebook!
FCTM – Florida Council
of Teachers of
Mathematics



Session #68 Opportunities within the Intended Curriculum of Elementary Mathematics Pedagogy Textbooks Addressing Culturally Responsive Teaching

Presented by: Jessica Wilson jwilson17@mail.usf.edu

Doctoral Student University of South Florida

3:15-4:15

Location: Stirling M

Audience: College, Teacher Educators, Research

Description: This session will share the result of an analysis of elementary mathematics pedagogy textbooks to address the extent opportunities for culturally responsive teaching (CRT) is provided. This session is intended to inform mathematics teacher educators on textbook materials that address CRT. By identifying such textbooks, teacher educators will be aware of textbook materials that provide teachers what they need in order to demonstrate CRT practices.

Session #69 A.I.C.E : Preparing Students for Greatness!

Presented by: Tracey Zak Johnson tzakjohnson@yahoo.com

Consultant Various Texas ISD's

3:15-4:15

Location: Stirling N

Audience: Algebra, Geometry, High School 9-12

Description: Testing can be stressful for students. Time-saving tips and a quick, useful approach to checking their answers can be the difference between pass or fail. In this session, teachers will be given tips on how students can use a scientific calculator to save time and quickly feel confident about their responses on the test.

Session #70 Somersaults and Belly Flops: Lessons learned from a Flipped Classroom

Presented by: Alicia Linder alicia.linder@lwcharterschools.com

Dean of Mathematics Lake Wales Charter Schools

3:15-4:15

Location: Stirling O

Audience: Middle 6-8, Algebra, Geometry, High School 9-12

Description: Are you interested in the Flip Classroom model, but not ready to dive all the way in? In this session you will learn how the flipped model works, discover over 30 apps that make flipping easy and discuss the benefits and challenges of a flipped classroom. Are you ready to somersault in?

Session #71 Hiding In Plain View: The Math Behind Image Processing

Presented by: Mr. Jared Herretes jared.herretes@ocps.net

Math Teacher Oak Ridge High School, Orange County Public Schools

Natasha Zapata, Mathematics Teacher, Olympia High School, Orange County Public Schools,
Natasha.Zapata@ocps.net

Francisco Chaparro-Torres, Mathematics Teacher, Olympia High School, Orange County
Public Schools, francisco.chaparro-torress@ocps.net

Georgios C. Anagnostopoulos, Associate Professor, Florida Institute of Technology,
georgio@fit.edu

3:15-4:15

Location: Stirling P

Audience: High School 9-12

Description: Spy-vs-Spy and Google Car: Learn how to hide secret messages into images and how self-driving cars detect text in road signs. Explore the mathematics behind image processing. Receive hands-on STEM lessons that implement the Florida Mathematics Standards for Geometry, Pre-Calculus, and Statistics. Learn how to participate in AEGIS, a Research Experience for Teachers (RET) at University of Central Florida and Florida Institute of Technology.

Session #72 Continuing Adventures in Blended Learning - Middle and High School

Presented by: George Pringle gpringle@pky.ufl.edu

Faculty University of Florida - P.K. Yonge DRS

Paige Allison Assistant Professor University of Florida - P.K. Yonge DRS
pallison@pky.ufl.edu

3:15-4:15

Location: Stirling Q

Audience: Middle 6-8, High School 9-12

Description: A Showcase of the continuing PK Yonge Blended Learning Initiative in Middle and High School Mathematics.

Exhibitor Open House (Door Prizes) -

Thursday, October 23, 2014

4:30 - 6:00 PM

Exhibitor Display area - Inverness Ballroom

Coffee/Tea Break - Friday, October 24, 2014

8 AM (while quantities last)

Exhibitor Display Area - Inverness Ballroom

Session #73 Virtual Tiles for Algebra: Everything You Want in One Place

Presented by: Dr. Janet Andreasen janet.Andreasen@ucf.edu

Lecturer University of Central Florida

Erhan Selcuk Haciomeroglu Associate Professor University of Central Florida

Erhan.Haciomeroglu@ucf.edu

8:00-9:00

Location: Stirling B

Audience: Middle 6-8, Algebra, High School 9-12

Description: Come explore a new suite of virtual tiles for teaching algebra. Content includes combining like terms, solving linear and quadratic equations, factoring trinomials, and multiplying binomials.

Session #74 ScaffOLDing Interactive Student Notebooks for Math Literacy via Notebook Foldables®

Presented by: Nancy Wisker nancy@dinah.com

Training Coordinator Dinah Zike Academy

8:00-9:00

Location: Stirling Ballroom East

Audience: General Interest

Description: One does not need to look far to see how interactive notebooking incorporates basic tenets of brain compatible learning and differentiation. Recharge your students' notebooks and turn on the motivation factor via 3-D graphic organizers, also known as Notebook Foldables. Discover how to scaffOLD math journals into dimensional, individualized, and brain-smart tools. Depart with a mini-composition book filled with immediately useable ideas sure to foster math literacy - even in your most reluctant learners.

Session #75 An integrated STEM “Hands-On Minds-On” activity with KEVA Planks developed through the ASAP Program teaching ratios and multiplication

Presented by: Dr. Vanessa Pitts Bannister pittsbannister@usf.edu

Principal Investigator, Project ASAP USF

Dr. Roderic Brame, rib@r2b2stem.com, ASAP Project Designer, USF

Rachel Brame, rdb@themightytitans.com, ASAP Project Manager, USF

Damien Priester, dpriester@usf.edu, Project ASAP Assistant Coordinator, USF

8:00-9:00

Location: Stirling C

Audience: Middle 6-8

Description: Participants learn essential applications of ratios, fractions, multiplication, and division through building structures with KEVA Planks. Activities are centered in Problem Based Learning and design thinking. Activities were developed in concert with the ASAP Program, funded by the Helios Foundation. Each activity covers a variety of core concepts for math and is easily adjusted for a variety of grades. Participants will receive a curriculum guide for the activity and enjoy an intellectually challenging activity aimed at strengthening pedagogical content knowledge.

Session #76 The Archaeology of Math: New Approaches to Discovering Math Concepts

Presented by: Nicole Grinnan ngrinnan@uwf.edu

Public Archaeology Coordinator Florida Public Archaeology Network

Rebecca O'Sullivan, Public Archaeology Coordinator, Florida Public Archaeology Network, rosulliv@usf.edu

8:00-9:00

Location: Stirling D

Audience: General Interest, Middle 6-8, Geometry

Description: Archaeologists use methods derived from geometry, algebra, and statistics in their everyday work to try to answer questions about people in the past. From laying out excavations units on a grid and mapping sites, to using ratios and statistics to answer questions about artifacts and ancient cultures, archaeology provides many applications for math. This presentation will provide you with activities using mathematical concepts that your students are learning based on real-world examples from archaeology.

Session #77 Hands on activities for statistics

Presented by: Jeane Swaynos swaynos@cfl.rr.com

high school math teacher (retired) Seminole county public schools

8:00-9:00

Location: Stirling E

Audience: High School 9-12

Description: This presentation will show hands on activities that could be used when teaching statistics. This will focus on the vocabulary and symbols used in statistics such as population, parameter, statistics, proportions, means, inferential statistics

This will be a series of short activities that show mean, interquartile range and matching graphs with box plots and summary statistics. The activities could be used for all levels of statistics when teaching statistics.

Session #78 Delving Deeper into the M&Ms: Transforming your instructional practices to increase student achievement through the mathematical content and practice standards.

Presented by: Samantha Piscopo samantha.piscopo@stlucieschools.org

Assistant Principal St. Lucie County Schools

LaTanya Greene Principal St. Lucie County Schools latanya.greene@stlucieschools.org

8:00-9:00

Location: Stirling F

Audience: General Interest

Description: Learn how to streamline lesson planning using strategies that engage students to meet the rigor and depth of both the mathematical content standards, as well as, the 8 mathematical practice standards. See how these strategies directly align with research proven best practices. Leave with a tool box of strategies that you can incorporate into any lesson to enhance student participation, engagement, and learning.

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #79 The Play Phenomenon: Transforming mathematical classrooms with toys.

Presented by: Mr Kenneth Butler butlerk1@usf.edu

PhD student USF

Ruthmae Sears, Ph.D Assistant Professor in Mathematics Education University of South Florida ruthmaesears@usf.edu

8:00-9:00

Location: Stirling G

Audience: Elementary 3-5, Middle 6-8, Geometry, High School 9-12

Description: This presentation will illustrate how play can be used to enhance the learning environment, motivate students, and facilitate student engagement. For example, Lego can be used to develop an understanding of base and number sense; the Pythagorean Theorem can be proven with the help of an Erector set; scatterplots and regressions can be found using Hotwheels; and symbolic logic can be developed playing Minecraft. Therefore, we will play games and have fun, while learning mathematical concepts!

Session #80 Track and Code the Math Way

Presented by: Lakesia Dupree ldupree@mail.usf.edu

PhD Student University of South Florida

8:00-9:00

Location: Stirling H

Audience: General Interest, Elementary 3-5

Description: In order to make sense of mathematics word problems, students need to be equipped with the tools to assist them with word problem comprehension. By incorporating tracking and coding strategies, teachers can support student development of sense-making (CCSMP1) of the math stories that they are reading. I will provide a tool that students can use as a reference sheet for tracking and coding, and attendees will have the opportunity to experiment with how the tool works.

Like us on Facebook!
FCTM – Florida Council
of Teachers of
Mathematics



Session #81 Planning for Success: Writing Standards-Based Lesson Plans that Intentionally Incorporate the Mathematics Teaching Practices from Principles to Actions (NCTM).

Presented by: Dr Sarah van Ingen vaningen@usf.edu

Assistant Professor University of South Florida

Lakesia Dupree Doctoral Graduate Student University of South Florida

ldupree@mail.usf.edu

8:00-9:00

Location: Stirling I

Audience: College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: The purpose of this session is to support coaches and teachers in standards-based lesson planning. We developed a framework for incorporating K-12 student content standards (CC or MAFS), student process standards (NCTM or CCSMP), and the eight mathematics teaching practices from Principles to Actions into the lesson planning process. We provide participants with a tool that facilitates this integrated lesson planning. We demonstrate how this tool works and give participants the opportunity to use the tool in a workshop format.

Session #82 Student Guided & Self-Correcting Math Centers

Presented by: Rich Stuart rich@learningwrapups.com

Vice President Learning Wrap-ups, Inc.

8:00-9:00

Location: Stirling L

Audience: General Interest, Elementary PreK-2, Elementary 3-5, Algebra, Geometry

Description: Learn about, play with and keep Math Center materials that are Student Guided, Hands-on, and Self Correcting.

Session #83 Somersaults and Belly Flops: Lessons learned from a Flipped Classroom

Presented by: Alicia Linder alicia.linder@lwcharterschools.com

Dean of Mathematics Lake Wales Charter Schools

8:00-9:00

Location: Stirling M

Audience: Middle 6-8, Algebra, Geometry, High School 9-12

Description: Are you interested in the Flip Classroom model, but not ready to dive all the way in? In this session you will learn how the flipped model works, discover over 30 apps that make flipping easy and discuss the benefits and challenges of a flipped classroom. Are you ready to somersault in?

Session #84 Using Problem Solving and Student Centered Discussion to Teach Math Concepts in the Primary Classroom

Presented by: Lori Price lori.price@stjohns.k12.fl.us
first grade teacher St. Johns County Schools

8:00-9:00

Location: Stirling N

Audience: Elementary PreK-2

Description: This session will focus on using problem solving and student conjectures to help students develop a deep understanding of math concepts in the primary classroom. Student work and examples of student conjectures will be shared. Participants will participate in activities that demonstrate the difference between teaching students to solve a problem and using a problem solving situation to teach mathematical concepts.

Session #85 Increasing Fact Fluency and Decreasing Math Anxiety

Presented by: Mrs Linda Walker lindawalker3107@comcast.net
Mathematics Education Consultant Multi-districts

8:00-9:00

Location: Stirling O

Audience: Elementary PreK-2, Elementary 3-5

Description: Students engage in self-assessment of a targeted small set of facts. The teacher works one-on-one as student orally provides the sums/products of targeted facts noting (on a table provided) how the student arrived at the answer. The teacher uses this information to guide additional work with facts.

Session #86 Delirious Geometry: the Mathematics of Salvador Dali's Art

Presented by: Peter Tush ptush@thedali.org
Curator of Education The Dali Museum

8:00-9:00

Location: Stirling P

Audience: General Interest, College, Teacher Educators, Research, Middle 6-8, Geometry, High School 9-12

Description: How does Surrealist Salvador Dali's art relate to math? How did Dali use geometry to emulate DaVinci? And how did math enable Dali to redefine himself as a Nuclear Mystical painter? This talk will explore these questions and more, examining Dali's fascination with perspective, the Golden Ratio, logarithmic spirals, polyhedrons, chaos theory and his friendship with mathematician Matyla Ghyka. "Delirious Geometry" will familiarize teachers with math concepts in Dali's work appropriate for classroom discussion or a museum fieldtrip visit.

Session #87 No Problem, Problem Solving

Presented by: Debbie Perry debbie.perry@palmbeachschools.org

Elementary Math Teacher Poinciana Elementary STEM School

Elise Gordon Elementary Math Teacher Lantana Elementary School

elise.gordon@palmbeachschools.org

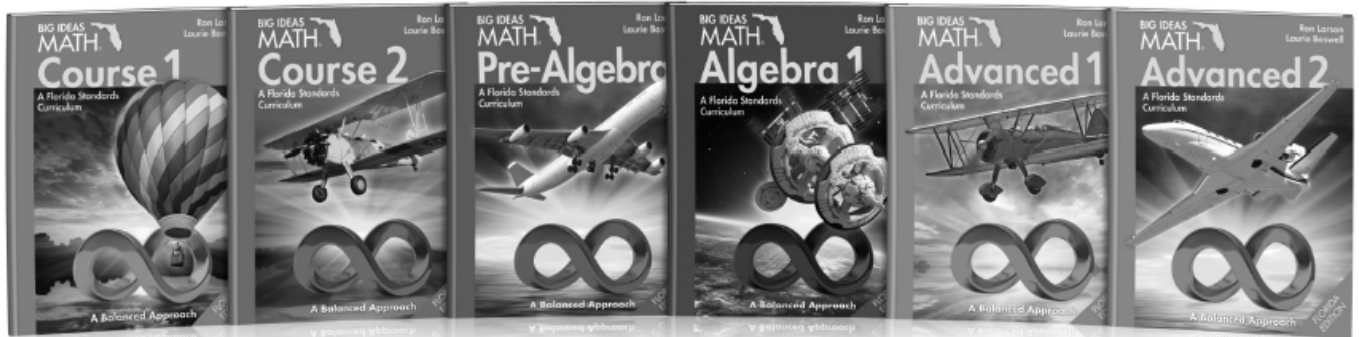
8:00-9:00

Location: Stirling Q

Audience: Elementary PreK-2, Elementary 3-5

Description: Join us for some problem solving fun! We will use strategies to solve a problem and share our mathematical ideas as we make sense of the problem and persevere in solving it.

Introducing
BIG IDEAS MATH[®]
MATHEMATICS FLORIDA STANDARDS FOR MIDDLE SCHOOL
BY RON LARSON AND LAURIE BOSWELL



Visit us at booth #307

BigIdeasMath.com • 877-552-7766



Session #88 Teaching Algebraic Concepts to Young StudentsPresented by: Evelyn Riley info@borenson.com

Consultant Borenson and Associates, Inc.

9:15-10:15

Location: Stirling B

Audience: Elementary 3-5, Middle 6-8, Algebra

Description: The value of introducing algebraic concepts to students in grades 4 - 8 will be highlighted by using the visual and kinesthetic mode of Hands-On Equations®. The basic methods and approaches used in teaching young children algebraic concepts using a discovery-based approach will be demonstrated. Participants will have the opportunity to solve linear equations and verbal problems. Each participant will receive a set of algebra manipulatives.

Session #89 Mathematics End-of-Course Florida Assessments (FSA) updatePresented by: Terri Sebring sebringt@leonschools.net

Mathematics Content Specialist FDOE Test Development Center

Travis Barton, Mathematics Content Specialist, FDOE Test Development Center,
bartont@leonschools.netJune Campbell, Mathematics Content Specialist, FDOE Test Development Center,
campbellj@leonschools.net

9:15-10:15

Location: Stirling Ballroom East

Audience: General Interest, Algebra, Geometry, High School 9-12

Description: The Florida Department of Education's Test Development Center will present information on Florida Standards Assessments (FSA) for Algebra 1, Geometry and Algebra 2 End-of-Course Assessments, the FSA portal and resources.

Session #90 ZentanglesPresented by: Marita Eng engcm@aol.com

Retired FCTM

9:15-10:15

Location: Stirling C

Audience: General Interest, Elementary PreK-2, Elementary 3-5, Middle 6-8, Geometry

Description: Zentangles is an easy-to-learn, relaxing, and fun way to create beautiful images by drawing structured patterns. It is a way to help students experience the process of learning new skills without obstacles. Participants will have the opportunity to enjoy the hands-on process of creating Zentangles.

Session #91 Implementation of the Mathematical Shift of Rigor through Problem-Based Learning Tasks for Middle School

Presented by: Brian Dean bdean@pasco.k12.fl.us

Senior Instructional Specialist, 6-12 Mathematics District School Board of Pasco County

Christine Bell Curriculum Specialist, K-12 Mathematics District School Board of Pasco

County cbell@pasco.k12.fl.us

9:15-10:15

Location: Stirling D

Audience: Middle 6-8, Algebra

Description: Facilitators will model how to deepen student understanding by utilizing “real-world” tasks in the classroom. Based on the work of Smith and Stein, 5 Practices for Orchestrating Productive Mathematical Discussions, teachers will participate in a task-oriented learning environment through the lens of a student. This will help teachers better understand how to intentionally plan for mathematical tasks that engage students and incorporate the eight Standards for Mathematical Practice.

Session #92 The Best Graphing Project Ever Made!

Presented by: Patricia Casey pcasey@fsu.edu

teacher Florida State University School

Rika Wheaton Teacher Florida State University School rcp10d@my.fsu.edu

9:15-10:15

Location: Stirling E

Audience: High School 9-12

Description: Get your students drawing and then using their Algebra to draw on the calculator. Participants bring your TI-84's (or even 83's or Nspires!) You will be shown how to draw pictures on the calculator that can be printed and colored. This project can be used at Algebra 1 to advanced levels and will never be forgotten by you or your students.

Session #93 Math and Science: Perfect together through hands-on data collection and analysis.

Presented by: Karlheinz Haas kh76356@gmail.com
 Math/Physics Instructor The Pine School

9:15-10:15

Location: Stirling F

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Algebra, High School 9-12

Description: How can you get your science colleagues to join and use real data to explore the mathematics content? Meet the TI-Nspire™ handheld, again! Move from the typical teacher-led classroom to one that focuses on problem-solving and exploratory learning. The combination of the TI-Nspire CX with sensors helps maximize class time and provide opportunities for engaging inquiry. Use one sensor at a time or multiple sensors simultaneously to quickly collect/analyze data. Several sensors will be available to explore this integrated solution.

Session #94 AIMS: Probability and Statistics

Presented by: Carmella Crawford carmellacrawford@hotmail.com
 AIMS Trainer AIMS Education Foundation

9:15-10:15

Location: Stirling G

Audience: Middle 6-8

Description: This session will give teachers an opportunity to experience mathematics as though they were the students. The activities offered will provide a hands-on approach to probability and statistics. Students will learn how to find measures of central tendency, how to display data, and how to determine the probability of getting a sum of eight. The Mathematical Practices are inherent in all the activities and each are correlated to the Common Core Standards. Hope to see you there.

Session #95 Activities to use when teaching statistics

Presented by: Mrs Jeane Swaynos swaynos@cfl.rr.com
 Retired mathematics teacher Seminole county

9:15-10:15

Location: Stirling H

Audience: Middle 6-8, High School 9-12

Description: The presentation will include a series of short activities that could be used when teaching statistics. This includes all "hands on" activities that could be used for all levels of students

Session #96 Understanding the difference between Procedural and Conceptual Knowledge

Presented by: Miss Laura Tapp laura.tapp@knights.ucf.edu

Graduate Student The University of Central Florida

Heidi Eisenreich, graduate student, The University of Central Florida,
heisenreich@knights.ucf.edu

9:15-10:15

Location: Stirling I

Audience: Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: All teachers want to help their students be successful. Many teachers feel that students with procedural knowledge have a greater understanding of mathematics. With the Mathematics Florida Standards being implemented here and the Common Core State Standards being implemented in other states, teachers need to help their students to not only procedurally understand mathematics but conceptually understand mathematics as well. This workshop will help teachers understand the importance of students gaining conceptual knowledge not just procedural knowledge

Session #97 What Happens When They Go To College? Collegiate Math Students in Florida Colleges

Presented by: Phillip Taylor taylorp@nfcc.edu

Math Instructor North Florida Community College

9:15-10:15

Location: Stirling L

Audience: Administration, Leadership, District Personnel, General Interest, High School 9-12

Description: What are the expectations and realities for students taking college math in Florida colleges and universities? What are the requirements? How are they placed and taught? What are their success rates? What can be done to help the transition?

Session #98 This Ain't Your Momma's Math:

Rethinking Your Math Block

Presented by: Deeanna Golden deeanna.golden@jcsb.org

Kindergarten Teacher Golson Elementary

Ms. Vickie Plant vickie.plant@jcsb.org Kindergarten Teacher Golson Elementary

9:15-10:15

Location: Stirling M

Audience: Elementary PreK-2

Description: Math has changed through the years. Explore fun, creative strategies to teach whole group and small group math while incorporating language arts, science, and social studies into your math block.

Session #99 Maintaining Effectiveness as a Math Coach in an Elementary School

Presented by: Laura Ramp lkr12@my.fsu.edu

Instructor/Graduate Student Florida State University

9:15-10:15

Location: Stirling N

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2, Elementary 3-5

Description: Math Coaches support teachers in their continuous development in math instruction. Coaching can include observing teachers and providing feedback, as well as leading professional development for teachers. But what happens when the coaching format being followed no longer seems effective or seems stagnant? Alternative methods of coaching can be implemented to meet teachers' needs and to support them in their development and effectiveness.

Session #100 What's My Distribution?

Presented by: John Diehl john3500i@att.net

Teacher (Retired) / Consultant CTAC

9:15-10:15

Location: Stirling O

Audience: High School 9-12

Description: In this session we will explore probability using distributions. We'll look at important features, such as discrete vs. continuous, and replacement vs. non-replacement. Examples will include geometric, binomial, hypergeometric and normal distributions, and describe the connections between them. Additional examples will provide an introduction to negative binomial and Poisson.

Session #101 Confidence and Achievement Go Hand in Hand

Presented by: Michelle Stull mcstull@volusia.k12.fl.us

Elementary Teacher Volusia County Schools

9:15-10:15

Location: Stirling P

Audience: Administration, Leadership, District Personnel, General Interest

Description: This workshop focuses on Building a Family of Learners in which students are comfortable taking risks and making mistakes while on the path to mastery. As standards become increasingly rigorous, it is imperative that the classroom become a Total Positive Energy Zone. Participants will leave with ready-to-use lessons that can be easily implemented at any grade level. By instituting the simple process of Building a Family of Learners, teachers reap the rewards of increased student confidence and increased student achievement!

Session #102 The Math Party: Sing! Dance! Exercise! Learn!

Presented by: Dr. Stephanie Pasley info@TheMathParty.com

Educational Consultant The Math Party Program

9:15-10:15

Location: Stirling Q

Audience: Administration, Leadership, District Personnel, General Interest

Description: In this electrifying session, you will SING, DANCE, EXERCISE and LEARN!! This session encompasses songs, chants, exercises and dance movements that will invigorate your existing math curriculum! Aligned with the Common Core Standards, the motivating, musical, mathematical repertoire includes age-appropriate content for students in grades K-6. This session is interactive, motivational, inspirational, and educational!! Don't be tardy for the MAAAAATH PAARRTY!!

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



**Secondary: Cookie and Beverage Break (Door Prizes) -
Friday, October 24, 2014**

10:30 AM

Exhibitor Display Area - Inverness Ballroom

Session #103 Rigor, not just a word but a way to teach!

Presented by: Elizabeth Pruitt elizabeth.pruitt@stlucieschools.org

Math K12 Lead St. Lucie Public Schools

Tari Sexton Math Instructional Partner St. Lucie Public School

tari.sexton@stlucieschools.org

10:30-11:30

Location: Stirling B

Audience: Elementary 3-5

Description: Rigor isn't just a word that we say. It should be an action within all of our classrooms. This session focuses on raising the rigor in your classroom through the work of Webb's Depth of Knowledge. Change your classroom instruction through the use of the Standards for Mathematical Practice to engage students into the mathematics.

Session #104 Elementary Mathematics Florida Standards Assessment (FSA) update

Presented by: Mr. Travis Barton bartont@leonschools.net

Mathematics Content Specialist FDOE Test Development Center

June Campbell, Mathematics Content Specialist, FDOE Test Development Center,

campbellj@leonschools.net

Terri Sebring, Mathematics Content Specialist, FDOE Test Development Center,

sebringt@leonschools.net

10:30-11:30

Location: Stirling Ballroom East

Audience: Elementary 3-5

Description: The Florida Department of Education's Test Development Center will present information on Florida Standards Assessments (FSA) for grades 3-5 mathematics, the FSA portal and resources.

Session #105 Outstanding Math Guides OMG 2nd-5th Grade

Presented by: Rhonda Davis rhonda.k.davis@douglas.k12.ga.us

Teacher 7th/8th grade Gifted Math Fairplay Middle School

Leslie Hilderbrand Teacher 8th Grade Math Fairplay Middle School

leslie.hilderbrand@douglas.k12.ga.us

10:30-11:30

Location: Stirling C

Audience: Elementary PreK-2, Elementary 3-5

Description: Come make a sample Outstanding Math guide (OMG) containing graphic organizers with steps, examples and vocabulary for all key concepts taught throughout the year. All graphic organizers are aligned to Common Core. This creative guide offers students a quick reference that will put a year's curriculum at their fingertips! The OMG will transform your classroom and help you introduce or review material in a way that is fun and exciting for students! You must see it to believe it!

Session #106 Technology Enhanced Items When You Don't Have Technology

Presented by: Alyssa Foss alyssa.foss@sdhc.k12.fl.us

Elementary Mathematics Coach School District of Hillsborough County

Joseph Ratasky Elementary Mathematics STEM District Resource Teacher, Hillsborough

County joseph.ratasky@sdhc.k12.fl.us

10:30-11:30

Location: Stirling D

Audience: Elementary 3-5

Description: The new Florida Standards Assessment will include technology enhanced items (TEI). However, not all teachers have access to technology at all times in their classroom. We explore these types of TEI, and how we can help students gain comfort without using technology.

Session #107 Implementation of the Mathematical Shift of Rigor through Problem-Based Learning Tasks for Elementary SchoolPresented by: Christine Bell cbell@pasco.k12.fl.us

Curriculum Specialist, K-12 Mathematics District School Board of Pasco County

Brian Dean Senior Instructional Specialist, 6-12 Mathematics District School Board of Pasco County bdean@pasco.k12.fl.us

10:30-11:30

Location: Stirling E

Audience: General Interest, Elementary PreK-2, Elementary 3-5

Description: Facilitators will model how to deepen student understanding by utilizing "real-world" tasks in the classroom. Based on the work of Smith and Stein, 5 Practices for Orchestrating Productive Mathematical Discussion, teachers will participate in a task-oriented learning environment through the lens of a student. This will help teachers better understand how to intentionally plan for mathematical tasks that engage students and incorporate the eight Standards for Mathematical Practice.

Session #108 The Math Museum: Using Florida Standards to Boost AchievementPresented by: Jennifer Westergom westergj@highlands.k12.fl.us

Math Specialist School Board of Highlands County

Jerry Lee Wright, Elementary Teacher School Board of Highlands County

wrightj@highlands.k12.fl.us

10:30-11:30

Location: Stirling F

Audience: College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: With the implementation of the new Florida Standards, elementary math classrooms must be transformed to meet the demand of the new standards. Through the Math Museum, Florida Standards are combined with differentiation and student choice, to engage students through standards-based math centers that spiral to ensure success!

Like us on Facebook!
FCTM – Florida Council
of Teachers of
Mathematics



Session #109 All I Really Need to Know About Mathematics, I Learned in Kindergarten

Presented by: Chris Ruda cruda@juno.com
FCTM Region Director FCTM

10:30-11:30

Location: Stirling H

Audience: Elementary PreK-2

Description: Robert Fulghum understood the importance of building a strong foundation for learning. Discover how manipulatives, literature, music, technology, and the Mathematics Florida Standards help students construct meaning while making mathematics fun! Participants will engage in practice-rich activities that focus on the Standards for Mathematical Practice. Ready - to-use lessons are appropriate for all learners.

Session #110 Igniting Teachers and Dazzling Students: Learning Scales as the Magic to Propel Teacher Epiphanies and Entice Students to Full Engagement

Presented by: Shelley Mann mannms@santarosa.k12.fl.us
4th Grade Teacher and Santa Rosa County Math Teacher of the Year Gulf Breeze Elementary, Santa Rosa County
Pam Smith Director of Elementary Education Santa Rosa County
smithp@santarosa.k12.fl.us
Warren Stevens Principal Gulf Breeze Elementary Santa Rosa County
stevensw@santarosa.k12.fl.us

10:30-11:30

Location: Stirling I

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: What is that missing link between objectives and student engagement? Is there a magic recipe to quickly and efficiently reveal to students where they are and where they're going? Yes, there is. Come see how a mentoring model between a district director, principal and this 4th grade teacher guided her to a career-changing epiphany and unimagined degrees of engaged ownership for her students.

Session #111 This Ain't Your Momma's Math:**Rethinking Your Math Block**

Presented by: Deeanna Golden deeanna.golden@jcsb.org

Kindergarten Teacher Golson Elementary Ms. Vickie Plant vickie.plant@jcsb.org

Kindergarten Teacher Golson Elementary

10:30-11:30

Location: Stirling L

Audience: Elementary PreK-2

Description: Math has changed through the years. Explore fun, creative strategies to teach whole group and small group math while incorporating language arts, science, and social studies into your math block.

Session #112 Ten Lessons From a Formative Assessment Project

Presented by: Zachary Champagne zchampagne@lsi.fsu.edu

Assistant in Research Florida Center for Research in Science, Technology, Engineering, and Mathematics (FCR-STEM)

10:30-11:30

Location: Stirling M

Audience: General Interest, Elementary PreK-2, Elementary 3-5

Description: Over the last three years, the presenter was immersed in a formative assessment project in which many mathematical and pedagogical lessons were learned. During this session, he will share those lessons as well as strategies for implementing formative assessment in your classroom. Additionally, this session will explore the salient mathematical ideas in the K – 5 Florida Standards through the use of video clips and analyzing student thinking.

Session #113 No Problem, Problem Solving

Presented by: Debbie Perry debbie.perry@palmbeachschools.org

Elementary Math Teacher Poinciana Elementary STEM School

Elise Gordon Elementary Math Teacher Lantana Elementary School

elise.gordon@palmbeachschools.org

10:30-11:30

Location: Stirling N

Audience: Elementary PreK-2, Elementary 3-5

Description: Join us for some problem solving fun! We will use strategies to solve a problem and share our mathematical ideas as we make sense of the problem and persevere in solving it.

Session #114 10 Days to Multiplication Mastery

Presented by: Rich Stuart rich@learningwrapups.com

Vice President Learning Wrap-ups, Inc.

10:30-11:30

Location: Stirling O

Audience: General Interest, Elementary 3-5

Description: Teach your students Multiplication Facts in 10 Days by emphasizing the power of Commutative Properties along with fun methods of practice.

Session #115 Number Talks

Presented by: Laura Tomas laura.tomas@palmbeachschools.org

Elementary Mathematics and Science Coach Orchard View Elementary School

Robin Levin Mathematics Resource Teacher Pine Jog Elementary School

robin.levin@palmbeachschools.org

10:30-11:30

Location: Stirling P

Audience: Administration, Leadership, District Personnel, Elementary PreK-2, Elementary 3-5

Description: Learn what Number Talks are all about! Based on the book Number Talks by Sherry Parrish, find out what you can do to increase your students' mental math strategies.

Session #116 Math Pen Pals

Presented by: Kristen Apraiz kapraiz@coe.ufl.edu

Clinical Assistant Professor University of Florida

10:30-11:30

Location: Stirling Q

Audience: College, Teacher Educators, Research, Elementary 3-5

Description: Math Pen Pals combines writing and mathematics. Elementary students enjoy having a college elementary preservice teacher pen pal. The benefits of having elementary students engage in letter writing with elementary preservice teachers will be discussed.

Examples of letters and math problems from pen pal letters will be shared.

Session #117 Informal Proofs with ManipulativesPresented by: Dr. Leslie Jones lbjones@ut.edu

Assistant Professor University of Tampa

Taylor Gabel, Mathematics Education Student, University of Tampa,
taylor.gabel@spartans.ut.edu

11:45-12:45

Location: Stirling B

Audience: Middle 6-8, Geometry, High School 9-12

Description: Informal proofs are fundamental to mathematical understanding. We explore the art of bringing informal proofs to life in the classroom by using easy-to-create manipulatives. Particular attention is given to a variety of proofs of the Pythagorean Theorem and the use of Cavalieri's Principle to derive the formulas for the volumes of a pyramid and a cone. Both of these topics are included in the new Florida Mathematics State Standards: MACC.912-SRT.2.4 and MACC.912.G-GMD.1.1.

Session #118 Middle School Mathematics Florida Standards Assessment (FSA) UpdatePresented by: Ms June Campbell campbellj@leonschools.net

Mathematics Content Specialist FDOE Test Development Center

Travis Barton, Mathematics Content Specialist, FDOE Test Development Center,
bartont@leonschools.netTerri Sebring, Mathematics Content Specialist, FDOE Test Development Center,
sebringt@leonschools.net

11:45-12:45

Location: Stirling Ballroom East

Audience: General Interest, Middle 6-8

Description: The Florida Department of Education's Test Development Center will present information on Florida Standards Assessments (FSA) for Middle School, the FSA portal, and resources.

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #119 Thinking Like a Synthesizer: Applying Algebraic Transformations to Musical Melodies

Presented by: Mike Reiners mreiners@chof.net

Math/Science Department Chair Christ's Household of Faith School, St. Paul, MN

11:45-12:45

Location: Stirling C

Audience: General Interest, Algebra, High School 9-12

Description: Every song's melody can be expressed as a series of integers, each of which represents the number of musical half-steps above or below the first note in the song.

Using various basic math & music technologies, we will create discrete graphs that we can transform horizontally and vertically – just like composers and synthesizers do!

Session #120 Who says you need a compass and straightedge?

Presented by: Dr. Erhan Selcuk Haciomeroglu Erhan.Haciomeroglu@ucf.edu

Associate Professor University of Central Florida

Janet B. Andreasen Lecturer University of Central Florida Janet.Andreasen@ucf.edu

11:45-12:45

Location: Stirling D

Audience: Geometry, High School 9-12

Description: Historically, constructions have been created using only a compass and straightedge. This session will examine alternatives for construction of geometry figures using GeoGebra and patty paper. Using these alternatives can foster reasoning and sense making as well as implement the Standards for Mathematical Practice.

Session #121 Casey Passed .. and it was no Miracle!

Presented by: Libby Chaskin libbyc@aol.com

Independent Consultant UTEACH, University of Texas San Antonio

11:45-12:45

Location: Stirling E

Audience: Administration, Leadership, District Personnel, Elementary 3-5, Middle 6-8, Algebra, Geometry, High School 9-12

Description: This session will focus on math interventions that really work! The speaker will demonstrate Blitzes, fact charts, game prizes, computer work and most of all, hard work! There will be prizes and fun for all.

Session #122 R U C 2 Ready? Secondary Mathematics: Strengthening the Core of MAFS

Presented by: Dee Ann Wilson wildaww@yahoo.com
 Special Programs Specialist Lake County Schools

11:45-12:45

Location: Stirling F

Audience: Middle 6-8, Algebra, Geometry, High School 9-12

Description: Let's explore Lake County's secondary mathematics PLC collaborative activities which will help teachers to prepare students to be college and career ready. We will concentrate on the facilitation and development of a structured mathematics PLC that will support implementation of the Mathematics Florida Standards. Come prepared to participate in collaborative mathematics activities you can share with your school or district to meet the cognitive demands of the new Mathematics Florida Standards.

Session #123 Math Games That Build the Brain "Matter" Games for Grades 3 - 5

Presented by: Stephanie Garcia jane@boxcarsandoneeyedjacks.com
 teacher/consultant Box Cars and One-Eyed Jacks

11:45-12:45

Location: Stirling G

Audience: Administration, Leadership, District Personnel, General Interest, Elementary 3-5

Description: Come prepared to play games that incorporate the use of regular and multi-sided dice that teach the following CCSS: all operations including multi-digit work, place value concepts including expanding and rounding numbers, identifying place value, ordering and comparing numbers. Ideas for differentiating the games, deepening understanding through journal writing, and assessment ideas will be provided. Gameboards, student samples, ideas for assessment will be shared. Great for regular, Title, ELL, DI, and afterschool programs.

Session #124 Geometry through Dollar Bills and Paper Bags

Presented by: Dr. Kathleen Fick fickk@nwfsc.edu
 Assistant Professor Northwest Florida State College

11:45-12:45

Location: Stirling H

Audience: Middle 6-8, Geometry

Description: Participants, through paper folding activities, will investigate and review geometric concepts and vocabulary. Paper folding is an interdisciplinary, hands-on approach to experiencing mathematics. Participants will create, discover and explore with folding of everyday items. Handouts and materials will be provided.

Session #125 Driving Miss Google: A road map to using Google in the classroom

Presented by: Alicia Linder alicia.linder@lwcharterschools.com

Dean of Mathematics Edward W. Bok Academy

11:45-12:45

Location: Stirling I

Audience: Administration, Leadership, District Personnel, General Interest

Description: Discover the power behind the engine! Google isn't just for searching the internet, come and learn how to use Google Drive to your advantage in the classroom. The power of Google will have you wanting to upgrade, from Gmail to Voice and all points in between. Don't worry, we will provide you with a FREE road map!

Session #126 Mathematics Florida Standards, Resources, and Implementation

Presented by: Heidi Brennan Heidi.Brennan@fldoe.org

K-5 Mathematics, Science, and STEM Education Program Specialist The Florida Department of Education

11:45-12:45

Location: Stirling L

Audience: Administration, Leadership, District Personnel, General Interest

Description: Mathematics Florida Standards, Resources, and Implementation- The presentation will include information on Florida Standards as well as resources and implementation assistance.

Session #127 Mathematical Norms in Kindergarten

Presented by: Jennifer Ward jenniferward@usf.edu

Partnership Resource Teacher University of South Florida

Katie Arndt, Graduate Assistant University of South Florida klarndt@mail.usf.edu

11:45-12:45

Location: Stirling M

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2

Description: Construction of mathematical norms is a pivotal component for developing a mathematics community, but what does this look like for our earliest learners? Sample stories that discuss the habits of mind outlined in the Standards for Mathematical Practice are presented in language that is child friendly for our Kindergarten learners.

Session #128 A.I.C.E : Preparing Students for Greatness!

Presented by: Tracey Zak Johnson tzakjohnson@yahoo.com
Consultant Various Texas ISD's

11:45-12:45

Location: Stirling N

Audience: Algebra, Geometry, High School 9-12

Description: Testing can be stressful for students. Time-saving tips and a quick, useful approach to checking their answers can be the difference between pass or fail. In this session, teachers will be given tips on how students can use a scientific calculator to save time and quickly feel confident about their responses on the test.

Session #129 The Good, The Better, and now the Best - TI-84 Plus C Silver Edition

Presented by: John Nygren math_coach2@yahoo.com
Consultant/Traier Independent

11:45-12:45

Location: Stirling O

Audience: Algebra, High School 9-12

Description: Whether a novice or veteran to the TI-84, see what changes there are to the TI-84 Plus C Silver Edition

Session #131 Brain-Based Research and Mastering the Common Core Standards

Presented by: Nina Kuhn nkuhn@pendalearning.com
Chief Academic Officer Penda Learning

11:45-12:45

Location: Stirling Q

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Elementary 3-5, Middle 6-8, Algebra

Description: This session explores brain research and the physiology of learning coupled with how students can master the Common Core Standards by applying principles of brain-based research. It discusses how to revolutionize the way that we teach and learn in today's classrooms using E-learning, brain-based research and evidenced based strategies. This session is informational, inspirational, and has helpful material for teachers educating students in grades Pre K to 12.

Session #132 Fractions and Decimals on a Number LinePresented by: Barbara Knox barbara.knox@sdhc.k12.fl.us

Math Coach Dover Elementary, School District of Hillsborough County

Deena Ham, Math Coach, Jackson Elementary, deena.ham@sdhc.k12.fl.us

1:00-2:00

Location: Stirling B

Audience: Elementary PreK-2, Elementary 3-5

Description: Participants will explore ways to teach grades 3-5 Florida Standards for fractions and decimals using a linear model (number line).

Session #133 ScaffOLDing Interactive Student Notebooks for Math Literacy via Notebook Foldables®Presented by: Nancy Wisker nancy@dinah.com

Training Coordinator Dinah Zike Academy

1:00-2:00

Location: Stirling Ballroom East

Audience: General Interest

Description: One does not need to look far to see how interactive notebooking incorporates basic tenets of brain compatible learning and differentiation. Recharge your students' notebooks and turn on the motivation factor via 3-D graphic organizers, also known as Notebook Foldables. Discover how to scaffOLD math journals into dimensional, individualized, and brain-smart tools. Depart with a mini-composition book filled with immediately useable ideas sure to foster math literacy - even in your most reluctant learners.

Session #134 Thinking Like a Synthesizer: Applying Algebraic Transformations to Musical MelodiesPresented by: Mike Reiners mreiners@chof.net

Math/Science Department Chair Christ's Household of Faith School, St. Paul, MN

1:00-2:00

Location: Stirling C

Audience: General Interest, Algebra, High School 9-12

Description: Every song's melody can be expressed as a series of integers, each of which represents the number of musical half-steps above or below the first note in the song. Using various basic math & music technologies, we will create discrete graphs that we can transform horizontally and vertically – just like composers and synthesizers do!

Session #135 Teaching Geometry Through Problem Based Tasks

Presented by: Cory Cloud pcc02c@fsu.edu

Assistant Professor Florida State University Schools

Whitney Parsons, Math Instructor, Florida State University Schools, wparsons@fsu.edu

1:00-2:00

Location: Stirling D

Audience: Middle 6-8, Geometry, High School 9-12

Description: This presentation gives teachers engaging problem based tasks to use in the geometry classroom. These tasks require students use math practice standards to discover new needs based knowledge. This hands-on presentation will allow teachers to walk back into their classroom with ready to go tasks to engage their students.

Session #136 Mathematics Proficiency: What is it? How do we help students get it?

Presented by: Dr. Thomasenia Adams tla@coe.ufl.edu

Professor & Associate Dean University of Florida

1:00-2:00

Location: Stirling E

Audience: Middle 6-8, Algebra, Geometry, High School 9-12

Description: Mathematics proficiency (aka mathematics competency, mathematics knowing) is the aim of mathematics instruction. Yet, many students view mathematics proficiency as an unreachable goal. In this session, the presenter will share several examples for engaging and challenging students to provide an opportunity for them to develop mathematics proficiency. The examples will provide a context for participants to engage and interact to anticipate how students will respond to being immersed in meaningful mathematics.

Session #137 It's All in the Problem: Facilitating Student Engagement in SMP3

Presented by: Dr. Mercedes Sotillo Turner msotillo@fullsail.com

Course Director Full Sail University

Dr. Tashana Howse Associate Professor Daytona State College

1:00-2:00

Location: Stirling F

Audience: General Interest

Description: Getting the right answer is not enough; students must express and justify their logic to each other. Not all problems allow students to do this, so teachers must create instances in which students have the opportunity to express and assess each other's reasoning. In this session, participants will learn how to adapt problems to allow this exchange. Additionally, participants will share in an activity in which they will solve and present their solutions as students are expected to do.

Session #138 On A Roll to Fact Fluency - Games for K - 2

Presented by: Stephanie Garcia jane@boxcarsandoneeyedjacks.com
teacher/consultant Box Cars and One-Eyed Jacks

1:00-2:00

Location: Stirling G

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2

Description: Come prepared to play games that incorporate the use of regular and multi-sided dice that teach the following CCSS: addition and subtraction strategies including, doubles, making tens, +9,-9 work, fact family and commutative property and more. Ideas for differentiating the games, and deepening understanding through journal writing and multi-digit work will be provided. Gameboards, student samples, ideas for assessment will be shared. Great for regular, Title, ELL, DI, and afterschool programs.

Session #139 Fractions: Get It? Got It? Good!

Presented by: Chris Ruda cruda@juno.com
FCTM Region Director FCTM

1:00-2:00

Location: Stirling H

Audience: Elementary 3-5

Description: Do your students really “get” fractions? How do you know when they have “got” it? Participants will explore practice-rich tasks that integrate manipulatives, digital content, and TI-34 Multiview/Smartview handheld technology to build fraction concepts. Specific examples of the Mathematics Florida Standards - Standards for Mathematical Practice in action will show effective teaching of fractions for ALL learners! Ready-to-use lessons will be shared. “Good!”

Session #140 Supporting Florida Standards Implementation through a Blended Learning Model

Presented by: Christopher Hanes cphanes@ufl.edu
Educational Consultant Public Consulting Group (PCG)

1:00-2:00

Location: Stirling I

Audience: General Interest

Description: Public Consulting Group (PCG) Education in collaboration with the Florida Department of Education has developed eLearning modules to help schools transition to the new Florida Standards. The coursework will be available this fall on CPALMS. The modules are interactive, engaging, and provide current, up-to-date video examples, research articles, teaching ideas, and can help educators create effective and aligned units and lessons. Six professional development strands are provided through the eLearning courses.

Session #141 Building Unstoppable Mathematicians With Adaptive Technology!Presented by: Dr. Debi Crimmins debiforster@gmail.com

National Consultant DreamBox Learning

1:00-2:00

Location: Stirling L

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: All students can become unstoppable mathematicians through the right, adaptive learning pathway. Join us for an interactive discussion on specific adaptive strategies that presents math competency in a new, better light. It isn't just about test prep. It's about getting kids ready to take their place in 21st century communities and workplaces as thinkers and doers. This interactive session will focus on a better instructional design that empowers kids to think, progress, and even love math!

Session #142 Math and Marathons: Racing to Achievement of the Mathematical Standards of PracticePresented by: Dr Susan Fernandez sfernand@uscupstate.edu

Assistant Professor FCTM, FAMTE, SCCTM (South Carolina Council of Teachers of Mathematics)

1:00-2:00

Location: Stirling M

Audience: General Interest, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5, Middle 6-8, High School 9-12

Description: Research has demonstrated the positive benefits of exercise in increasing students' attention spans, memory, and learning. This presentation establishes the motivational means of experiencing math through marathons. According to the Mathematical Standards, students are to develop expertise in perseverance. What better means of persevering than 26.2 miles of precisely timed and planned action. Each mathematical standards will be addressed through its relevant relationship to running with the sharing of specific, motivating and movement-related activities utilized for teaching math.

Session #143 Addressing CCS with Technology in the Early YearsPresented by: Tracey Zak Johnson tzakjohnson@yahoo.com

Educational Consultant Various Texas ISD's

1:00-2:00

Location: Stirling N

Audience: Elementary 3-5

Description: Using technology to explore & deepen student understanding of concepts is a deep rooted standard in common core. In this session, teachers will explore new ways to help their students make connections between Improper fractions, mixed #s & decimals using hands on activities and technology. Teachers will walk away with multiple lesson plans for grades 3-5 and specific to Common Core Standards and Practices.

Session #144 The Good, The Better, and now the Best - TI-84 Plus C Silver EditionPresented by: John Nygren math_coach2@yahoo.com

Consultant/Traier Independent

1:00-2:00

Location: Stirling O

Audience: Algebra, High School 9-12

Description: Whether a novice or veteran to the TI-84, see what changes there are to the TI-84 Plus C Silver Edition

Session #145 Identifying and Building Core Fluencies for Mathematics for the Sunshine State StandardsPresented by: Dr. Jan Scott jscott@scholastic.com

Director of Math Partnerships, South Scholastic

1:00-2:00

Location: Stirling P

Audience: Elementary 3-5, Middle 6-8

Description: In mathematics, fluency is more than just "fast and accurate." In order to "see the big picture" and become 21st Century learners and thinkers, students must be able to see the connections between arithmetic and algebra. This session will focus on rebuilding foundational fluencies so that struggling students may leverage their fact knowledge, deepen their understanding of fundamental concepts, and feel fully prepared for the more rigorous curriculum they are facing.

**Session #146 Geometric Transformations in the Mathematics Florida Standards:
Implications for Teaching Middle and High School Mathematics**

Presented by: Dr. Janet Andreasen Janet.Andreasen@ucf.edu

Lecturer University of Central Florida

Erhan Selcuk Haciomeroglu Associate Professor University of Central Florida

Erhan.Haciomeroglu@ucf.edu

1:00-2:00

Location: Stirling Q

Audience: Middle 6-8, Geometry, High School 9-12

Description: Transformations have increased emphasis in the Mathematics Florida Standards. No longer are transformations relegated to middle school and touched on briefly in high school. This session will explore the connections to transformations throughout middle and high school and demonstrate methods for using technology to support student learning of transformations.

Joifull Essence

FCTM

BANNERS
MAGNETS
INVITATIONS
FUNERAL PROGRAMS

BUSINESS CARDS
FLYERS
WEDDING PROGRAMS
SCHOOLS

CONFERENCE

"CUSTOM T-SHIRTS AND SO MUCH MORE"
727.608.0817

Ask for Joi

Session #147 Fractions and Decimals on a Number Line

Presented by: Barbara Knox barbara.knox@sdhc.k12.fl.us

Math Coach Dover Elementary, School District of Hillsborough County

Deena Ham, Math Coach, Jackson Elementary, deena.ham@sdhc.k12.fl.us

2:15-3:15

Location: Stirling B

Audience: Elementary PreK-2, Elementary 3-5

Description: Participants will explore ways to teach grades 3-5 Florida Standards for fractions and decimals using a linear model (number line).

Session #148 Go Fish

Presented by: Chris Helminski chrishelminski@gmail.com

Mathematics Teacher Braden River High School, Manatee County, FL

Mrs. Linda Shepard Media Specialist Braden River High School, Manatee County, FL

BradenLind@aol.com

Dr. Leslie B. Jones Assistant Professor of Mathematics The University of Tampa

lbjones@ut.edu

2:15-3:15

Location: Stirling C

Audience: High School 9-12

Description: Go Fish - Get to the "Core" with a "school" of aquatic jumpstarts, a "catch" of interdisciplinary lessons and a "splash" of fun activities. Integrate algebra and geometry with research and marine biology.

Session #149 Pyramath, Fractazmic, and Prime Bomb - Learning with Games

Presented by: Dr. Ronald Eaglin eaglinr@daytonastate.edu

Associate Vice President, College of Technology Daytona State College

2:15-3:15

Location: Stirling D

Audience: Elementary PreK-2, Elementary 3-5, Middle 6-8, High School 9-12

Description: The inventor of the games Pyramath, Fractazmic, and Prime Bomb will give workshops on how to use these games in a classroom setting. Card decks will be provided (and you get to keep them).

Session #150 Differentiating Mathematics Instruction Using Multiple Intelligences (K-6)

Presented by: John Hinton mathgames@mathmattersinc.com
President Math Matters, Inc.

2:15-3:15

Location: Stirling E

Audience: Elementary PreK-2, Elementary 3-5

Description: Make your mathematics classroom more exciting. Gather materials you can use tomorrow, and learn games, and activities which appeal to higher level thinking. This hands-on workshop will focus on strategies which maximize achievement in mathematics by using a variety of intelligences. Learning modules, activities, and games which strengthen analytic reasoning and higher level thinking to appeal to all students will be shared. Specific skills and concepts will be taught while applying the principles of multiple intelligence and cognitive learning theory.

Session #151 Interesting Ideas, Manipulatives and Activities for Teaching Geometry Topics Highlighting the CCSSM Practices

Presented by: Chrs Mikles mikles@cpm.org
Director of Teacher Education CPM

2:15-3:15

Location: Stirling F

Audience: Algebra

Description: Participants will use hinged mirrors, rubber bands, patty paper, paper plates and other manipulatives, as well as, investigations to develop geometry concepts such as similarity and triangle congruence, transformations, central angles, polygons, area, and more.

Session #152 Interactive Notebook - Magical WICOR Success!

Presented by: Heather Wolfertz wolfertzh@citrus.k12.fl.us
Teacher Lecanto Middle School

2:15-3:15

Location: Stirling G

Audience: Middle 6-8, Algebra

Description: How can I prepare my students for passing the new assessments and prepare them for college? Using AVID's WICOR is the answer: Writing, Inquiry, Collaboration, Organization, and Reading. In this session, you will make your own interactive notebook and obtain strategies for use to integrate WICOR with algebraic concepts. "Students treasure their interactive notebooks because they are personal and reflective; teachers value them because they represent a simple yet powerful method for helping students learn" (Waldman & Crippen, 2009,p. 55).

Session #153 Mathematical Practices for the Family: Middle School Family Math Night

Presented by: Mrs. Laurie Delikat LaureneAD@leeschools.net

Math Coach The School District of Lee County

Mrs. Nancy Lastrom NancyEL@leeschools.net Coaching Specialist for Secondary Math The School District of Lee County

2:15-3:15

Location: Stirling H

Audience: Middle 6-8

Description: Enjoy a hands-on example of a Middle School Family Math Night. There are 16 different activities arranged according to the eight Mathematical Practice Standards. You are free to take pictures of the display boards and bring a flash drive with you to get a digital copy of most of the activities. If you want to interact with some problem-solving activities and get ideas for incorporating the Mathematical Practices into a family math night, this is the workshop for you

Session #154 The Ascend Math Solution, a K-Algebra II math diagnostic, placement and intervention program.

Presented by: Mrs Kristine Marsh_kmarsh@destknow.com

President Destination Knowledge

2:15-3:15

Location: Stirling I

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5, Middle 6-8, Algebra, Geometry, High School 9-12

Description: Ascend Math is fully operational on iPads and any browser! The program will automatically place each individual student where he needs to be and through guided notes, video instructors (with closed-captioning in English & Spanish), simulations/explorations, practice problems and reviews, students will master skill gaps testing out of already known content. Please join us for your chance to win a free trial for up to 50 students!

Session #155 Using Technology to Enhance Learning

Presented by: Dr. Tashana Howse howset@daytonastate.edu

Assistant Professor Daytona State College

Dr. Mercedes Sotillo-Turner

2:15-3:15

Location: Stirling L

Audience: General Interest

Description: 21st century learners have been connected to technology since birth. As technology advances, teachers must find alternative ways to engage these learners to meet them where they are. In this session, we will share different technologies that support student engagement and enhance mathematical experiences for all students.

Session #156 Maintaining Effectiveness as a Math Coach in an Elementary School

Presented by: Laura Ramp lkr12@my.fsu.edu

Instructor/Graduate Student Florida State University

2:15-3:15

Location: Stirling M

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2, Elementary 3-5

Description: Math Coaches support teachers in their continuous development in math instruction. Coaching can include observing teachers and providing feedback, as well as leading professional development for teachers. But what happens when the coaching format being followed no longer seems effective or seems stagnant? Alternative methods of coaching can be implemented to meet teachers' needs and to support them in their development and effectiveness.

Session #157 Assessing the Standards for Mathematical Practices in High School Geometry

Presented by: Dr. Ruthmae Sears ruthmaeseears@usf.edu

Assistant Professor in Mathematics Education University of South Florida

Ilyas Karadeniz, Doctoral Candidate, University of South Florida, karadeniz@mail.usf.edu

Kenneth Butler Doctoral Candidate, University of South Florida, karadeniz@mail.usf.edu

2:15-3:15

Location: Stirling N

Audience: General Interest, Geometry, High School 9-12

Description: Emphasizing Standards for Mathematical Practices (SMP's) during instruction and less often on assessment may result in weak linkages in the coherency of the assessment process. Hence, in this presentation we consider the extent high school geometry textbooks' chapter assessments attend to the SMPs, and consider the implications on instructional practices. We will illustrate how engaging in problem analysis can be used to address the shortcoming of textbooks and assess the SMPs.

Session #158 Students as Mathematicians: A (Common Core) Modeling Approach

Presented by: Greta Mills GMills@oapb.org

Mathematics teacher Oxbridge Academy of the Palm Beaches

2:15-3:15

Location: Stirling O

Audience: College, Teacher Educators, Research, High School 9-12

Description: When we expect students to behave as mathematicians, they learn to address meaningful problems while developing the necessary mathematical tools in an environment of creative collaboration, modeling, and communication. This presentation will include modeling activities, helpful tips, and connections to the Common Core State Standards (CCSS).

Session #159 Identifying and Building Core Fluencies for Mathematics for the Sunshine State Standards

Presented by: Dr. Jan Scott jscott@scholastic.com

Director of Math Partnerships, South Scholastic

2:15-3:15

Location: Stirling P

Audience: Elementary 3-5, Middle 6-8

Description: In mathematics, fluency is more than just "fast and accurate." In order to "see the big picture" and become 21st Century learners and thinkers, students must be able to see the connections between arithmetic and algebra. This session will focus on rebuilding foundational fluencies so that struggling students may leverage their fact knowledge, deepen their understanding of fundamental concepts, and feel fully prepared for the more rigorous curriculum they are facing.

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #160 Behind the Scenes: the Mathematics of Digital Image ProcessingPresented by: Jennifer Mikenas mikenas.jennifer@brevardschools.org

Mathematics Department Chair Melbourne High School

Dr. William Hanna, math teacher, Sebastian River High School, Indian River Public Schools, William.hanna@indianriverschools.orgJeremy Moore, math teacher, Edgewood Junior Senior High School, Brevard Public Schools, moore.jeremy@brevardschools.orgLaura Springstroh, math teacher, Viera High School, Brevard Public Schools, springstroh.laura@brevardschools.orgDr. Georgios C. Anagnostopoulos, Florida Institute of Technology, Associate Professor, georgio@fit.edu

2:15-3:15

Location: Stirling Q

Audience: High School 9-12

Description: "Where will we use this in the Real World?" Explore the mathematics behind Image Processing and Editing. Receive hands-on STEM lessons that implement Florida Mathematics Standards for Algebra II through Calculus, including classroom-ready materials, Powerpoints, activities and computer programs. See how power functions enhance images, trigonometric ratios rotate images, and derivatives sharpen dull images. Learn how Central Florida teachers can participate in AEGIS, a Research Experience for Teachers (RET) at University of Central Florida and Florida Institute of Technology.

**Mc
Graw
Hill
Education**

Say Hello to ALEKS.

**TRUSTED CONTENT + ADAPTIVE TECHNOLOGY =
PERSONALIZATION LIKE NEVER BEFORE**

Add ALEKS to your existing order today!



ALEKS is an artificially-intelligent, digital math program that provides precise skills assessment and individualized learning. Using adaptive technology, ALEKS accurately identifies each student's knowledge to deliver focused instruction on Ready to Learn Topics, quickly filling gaps while facilitating continuous progress.

Add ALEKS to Your Existing Order

When you pair ALEKS with the individualized, Florida standard-aligned approach of our mathematics, you get:

- Impactful, rigorous math content
- Aligned to Florida standards
- Unprecedented differentiation
- Built-in assessment and review

ALEKS®

McGraw-Hill
**My
Math**

**FLORIDA
MATH**

Learn more at aleks.com/k12

MK14M03395

Session #161 Solving a Classic Geometry Problem using the TI-Inspire

Presented by: Jim Swick jim_swick@pba.edu

Asst. Prof. of Mathematics Palm Beach Atlantic University

Dr. Marsha Guntharp Assoc. Prof. of Mathematics Palm Beach Atlantic University

marsha_guntharp@pba.edu

3:30-4:30

Location: Stirling B

Audience: General Interest, Geometry, High School 9-12

Description: In this session, participants will use the TI-Nspire handheld (furnished) dynamic geometry application to solve the well-known “Surfer and Spotter” problem (from Geometry by Harold Jacobs) by constructing equilateral triangles, perpendicular lines, intersections, and then measuring and calculating to reveal a surprising result.

Session #162 Problem Solving using Reciprocal Teaching

Presented by: Kimberly Jay kimberly.jay@stlucieschools.org

Assistant Principal St. Lucie Public Schools

Christina Worley, Instructional Coach, St. Lucie Public Schools

christina.worley@stlucieschools.org

Victoria Pease, Math Coach, St. Lucie Public Schools victoria.pease@stlucieschools.org

3:30-4:30

Location: Stirling C

Audience: Elementary PreK-2, Elementary 3-5, Middle 6-8

Description: The participants will apply reciprocal teaching methods to a difficult to teach mathematical concept in order to be able to implement the process in their own classroom. The process will focus on steps to implement reciprocal teaching in understanding and solving word problems.

Session #163 Involving Students in Real Research: Teaching and Understanding Beyond the AP Statistics Curriculum

Presented by: Dr Susan Archer ARCHERS2@erau.edu

teacher Duval County Public Schools

Ana Griffin teacher Duval County Public Schools griffina3@duvalschools.org

3:30-4:30

Location: Stirling D

Audience: College, Teacher Educators, Research, High School 9-12

Description: Involve students in real research projects so they understand the AP Statistics content because they can DO statistics! Finding public access data. Statistics software available online. What we are doing to help students OWN the content.

Session #164 Mathematics + Literacy = Comprehension

Presented by: Debbie Beavers dwbeaver@volusia.k12.fl.us

Teacher Volusia County Schools Deltona High School

3:30-4:30

Location: Stirling E

Audience: High School 9-12

Description: How can we incorporate literacy strategies in the mathematics classroom? Strategies used in mathematics do not always follow what the students or others think about literacy. However, good mathematicians and good readers have many of the same characteristics. By using these strategies, students can increase their comprehension.

Session #165 The Math Museum: Using Florida Standards to Boost Achievement

Presented by: Jennifer Westergom westergj@highlands.k12.fl.us

Math Specialist School Board of Highlands County

Jerry Lee Wright, Elementary Teacher School Board of Highlands County

wrightj@highlands.k12.fl.us

3:30-4:30

Location: Stirling F

Audience: College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: With the implementation of the new Florida Standards, elementary math classrooms must be transformed to meet the demand of the new standards. Through the Math Museum, Florida Standards are combined with differentiation and student choice, to engage students through standards-based math centers that spiral to ensure success!

Session #166 Easy Ways to Increase Rigor: and not the number of papers you grade!

Presented by: Mrs BJ Mayo beejmayo@att.net

Instructional Coach Volusia County Schools

3:30-4:30

Location: Stirling G

Audience: General Interest

Description: Back by popular demand! The presentation will stand alone (i.e. you will not have to have attended last year's but will not be a rerun!) and expand upon the ideas from last year. Focus will be on questions for instruction and formative assessment strategies as well as discussion about FSA question types and how to prepare students for them.

Session #167 Active and Interesting Function Activities that Highlight the Mathematical Practices

Presented by: Chrs Mikles mikles@cpm.org
 Director of Teacher Education CPM

3:30-4:30

Location: Stirling H

Audience: Geometry

Description: Participants will experience several activities concerning functions. These will include using a human graph to explore functions, domain and range, and asymptotes. There will be an activity with function machines, a carousel, and a silent board game. We will end with a Function Treasure Hunt. The CCSSM Practices will be processed throughout.

Session #168 Building a Strong Foundation with Math Fact Fluency

Presented by: Mr Jason Kopish jkopish@explorellearning.com
 Education Consultant ExploreLearning

3:30-4:30

Location: Stirling I

Audience: Administration, Leadership, District Personnel, General Interest, Elementary 3-5, Middle 6-8

Description: Students who can automatically recall math facts are more capable problem solvers, learn new math skills more quickly, and are more likely to succeed in future math courses. Unfortunately, many students still spend too much time and brainpower on simple facts. Find out how to help students build a strong math fact fluency foundation.

Session #169 Affiliates and the FCTM Website

Presented by: Chris Hanes cphanes@ufl.edu
 FCTM Webmaster FCTM
 Barbara Cavanah Technology Specialist Monroe County School District
Barbara.Cavanah@KeysSchools.com

3:30-4:30

Location: Stirling L

Audience: General Interest

Description: Is your FCTM affiliate chapter interested in having an online presence? FCTM is offering space on their site to affiliate chapters, with public and/or members only access. Come and see how easy it is to create and maintain your own webpages!

Session #170 How do students shift from the concrete procedures to the abstract reasoning that success with Algebra requires?

Presented by: Ms. Terry Thomas terry.thomas@Heinemann.com

National Content Specialist Heinemann

3:30-4:30

Location: Stirling M

Audience: Administration, Leadership, District Personnel, Middle 6-8, Algebra, High School 9-12

Description: Think about your algebra students. How many are successful? How many struggle to pass? How many continue to struggle with advanced math? The Common Core has accelerated the expectations administrators are placing on students. Please join us and learn more about the importance of algebraic habits of mind, how these habits are developed and how they transition our algebra students from the concrete procedures to the abstract reasoning that successful Algebra students need to succeed.

Session #171 NatureMath: Integrating mathematical thinking into environmental topics in and out of the classroom.

Presented by: Dr. Bryan Nichols bryanhnichols@gmail.com

Assistant Professor, Science & Environmental Education Florida Atlantic University

Dr. Vanessa Pitts Bannister, Math Education, University of South Florida

3:30-4:30

Location: Stirling N

Audience: General Interest

Description: This presentation will encourage mathematics teachers to get involved in activities and lessons that spring from the passion students and other teachers have for wildlife & nature. Our environments are getting more challenging, and environmental education needs more mathematical thinkers. Based on work with Title 1 middle school teachers, an environmental education professor will provide tips on subject integration, professional networking, and the formula for avoiding rattlesnakes. The new NatureMath network welcomes mathematics teachers of all levels.

Like us on Facebook!
FCTM – Florida Council
of Teachers of
Mathematics



Session #172 Using iPads to Your Advantage: Screen Sharing in the Mathematics Classroom

Presented by: Jennifer Zakrzewski zakrzewski@mail.usf.edu
Teacher University of South Florida

3:30-4:30

Location: Stirling O

Audience: Elementary 3-5, Middle 6-8

Description: Many schools are adopting iPads, but many mathematics teachers are unsure of how to implement iPads into their classrooms. Through screen sharing teachers can circulate the room while still instructing on the board. Students can make presentations from their seats. These opportunities and many more are available through screen sharing with an iPad.

Session #173 Supporting Teachers through College and Career Readiness

Presented by: Ms. Vernita Glenn-White Vernita.Glenn-White@ucf.edu
Doctoral Candidate University of Central Florida

3:30-4:30

Location: Stirling Q

Audience: Administration, Leadership, District Personnel, General Interest, Elementary 3-5, Middle 6-8, Algebra

Description: Delve deeper into what it means to prepare students for College and Career Readiness. Extend your knowledge beyond the content standards and learn how to support teachers in understanding the learning trajectories and instructional methods that promote student achievement after their current grade.

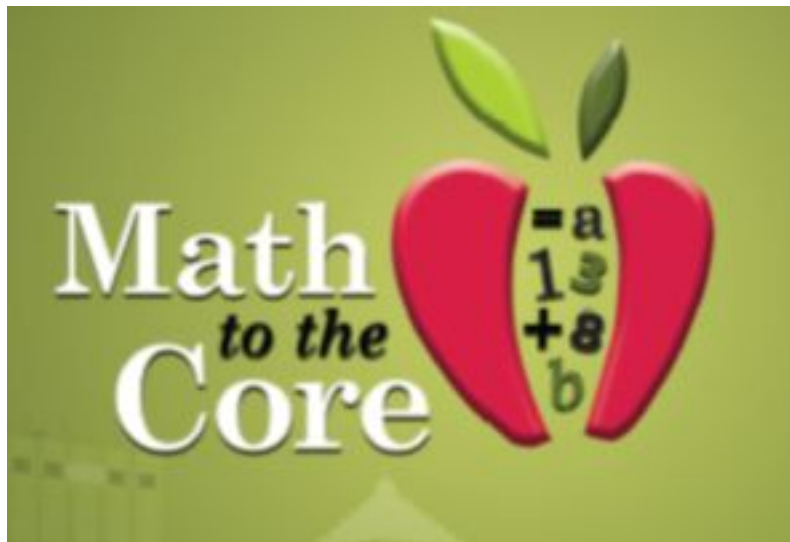
Fun to the Core! (Friday night party, dinner, and door prizes)

Friday, October 24, 2014

5:30 -9:30 PM

Location: Loch Ness Pool

Fun to the Core!



Friday, October 24, 2014

Come party the night away with all
of your math friends!!

Time: 5:30 -9:30 PM

Location: Loch Ness Pool, Innisbrook (take the
free bus)

All conference attendees are invited to enjoy a
DJ, Karaoke, FREE food and beverages, a cash
bar, and door prizes. Swimming is optional. Please
wear/bring your conference nametag.

Session #174 Quadratic Graph Match - Addressing the Mathematical Practices and Content Standards in Algebra

Presented by: Margaret Bambrick mbambric@volusia.k12.fl.us
Mathematics Teacher University High School

8:00-9:00

Location: Stirling B

Audience: Algebra, High School 9-12

Description: Come join us for a hands-on lesson about quadratic functions. We will use the TI-Nspire CX and TI-Nspire Navigator to share ideas and investigate a lesson on quadratics to build a better understanding of quadratic functions. You don't have this technology, don't worry; everyone will leave with materials to make this lesson happen! Video ideas will be shared as well!

Session #175 Outstanding Math Guides OMG 6-10th Grade

Presented by: Rhonda Davis rhonda.k.davis@douglas.k12.ga.us
Teacher 7th/8th Grade Gifted Math Fairplay Middle School
Leslie Hilderbrand Teacher 8th Grade Math Fairplay Middle School
leslie.hilderbrand@douglas.k12.ga.us

8:00-9:00

Location: Stirling C

Audience: Administration, Leadership, District Personnel, Middle 6-8, High School 9-12

Description: Come make a sample Outstanding Math Guide (OMG) containing graphic organizers with steps, examples and vocabulary for all key concepts taught throughout the year. All graphic organizers are aligned to Common Core. This creative guide offers students a quick reference that will put a year's curriculum at their fingertips! The OMG will transform your classroom and help you introduce or review material in a way that is fun and exciting for students! You must see it to believe it!

**For the latest
conference updates,
follow FCTM on Twitter!
@FCTM2014**



Session #176 Differentiating Mathematics Instruction Using Multiple Intelligences (K-6)

Presented by: John Hinton mathgames@mathmattersinc.com
President Math Matters, Inc.

8:00-9:00

Location: Stirling D

Audience: Elementary PreK-2, Elementary 3-5

Description: Make your mathematics classroom more exciting. Gather materials you can use tomorrow, and learn games, and activities which appeal to higher level thinking. This hands-on workshop will focus on strategies which maximize achievement in mathematics by using a variety of intelligences. Learning modules, activities, and games which strengthen analytic reasoning and higher level thinking to appeal to all students will be shared. Specific skills and concepts will be taught while applying the principles of multiple intelligence and cognitive learning theory.

Session #177 Working with Geoboards: A Conceptual Approach to Learning Area

Presented by: Laura Tapp laura.tapp@knights.ucf.edu

Doctoral Student University of Central Florida

Rebecca Gault, Doctoral Student, University of Central Florida,
rebecca.gault@knights.ucf.edu

Katie Harshman, Doctoral Student, University of Central Florida,
katie.harshman@knights.ucf.edu

8:00-9:00

Location: Stirling E

Audience: Elementary 3-5, Middle 6-8

Description: The Florida Mathematics State Standards call for students to begin developing a deep understanding of area measurement concepts as early as third grade. Geoboards offer students an opportunity to discover area measurement as a concept rather than a formula. Geoboards offer a tool that teachers can use to help students develop conceptual understanding of area measurement. This will help the students build a foundation to support the development the area formulas.

Session #178 Implementing the Interactive Graphics of GeoGebra 3D

Presented by: Katie Harshman katie.harshman@Knights.ucf.edu

Doctoral Student University of Central Florida

Edward Knotte Doctoral Student, University of Central Florida

8:00-9:00

Location: Stirling F

Audience: Middle 6-8, High School 9-12

Description: Welcome to the GeoGebra movement driven by free, interactive mathematics software. Here you will be shown how GeoGebra can transform your classroom into a room full of visualization and in-depth learning by creating formal algebraic and geometric constructions. Attendees are encouraged to bring their laptop computers so they can follow along as we demonstrate some of the newest 3D innovations of this free and powerful teaching tool.

Session #179 Elementary Algebra

Presented by: Stephanie Luke Stephanie.Luke@ucf.edu

Instructor University of Central Florida

Heather Simpson, Teacher, Villages Charter Elementary Heather.Simpson@tvcs.org

8:00-9:00

Location: Stirling G

Audience: Grades 2 - 6

Description: Learn a variety of strategies to bring Algebra to life in your Elementary Classrooms!

Session #180 Mathematics Content Complexity (DOK) in the Middle School Classroom

Presented by: Pamela J. Guyton pamela.guyton@ocps.net

FCTM VP-Middle School/District Mathematics Coach FCTM/OCCTM/Orange County Public Schools

Gina Mina Middle School Math Teacher, OCCTM/Orange County Public Schools

Gina.minchey@ocps.net

8:00-9:00

Location: Stirling H

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Middle 6-8

Description: What does the rigor of DOK 2 and DOK 3 look like in middle school? Plan to learn new strategies and examples of how to meet the rigor of the new Florida Math Standards through problem solving and performance tasks.

Session #181 If a Picture Is Worth a Thousand Words, a Simulation Is Worth a Million!

Presented by: Mr. Jason Kopish jkopish@explorelearning.com
Education Consultant ExploreLearning

8:00-9:00

Location: Stirling I

Audience: Administration, Leadership, District Personnel, General Interest

Description: Math topics come to life and student depth of understanding soars when using online simulations to introduce, develop and expand conceptual understanding.

Participants will experience the incorporation of live simulations in a fraction lesson.

Instructional strategies will include how to use Gizmos with various interactive technologies such as the iPad, interactive whiteboard, and computer lab.

Session #182 Common Denominator Algorithm for Fraction Division: A Bridge between Visual Representation, and Invert and Multiply Procedure

Presented by: Nesrin Sahin sahin@knights.ucf.edu
Doctoral Candidate University of Central Florida

8:00-9:00

Location: Stirling L

Audience: Elementary 3-5

Description: Fraction division is one of the most difficult concepts in elementary mathematics for both students and teachers. Although conceptual understanding of fraction division should precede procedural understanding, many students learn fraction division through invert and multiply procedure without attributing much meaning to the procedure. In this workshop teachers will gain an understanding of using common denominator algorithm as a bridge between visual representation, and invert and multiply procedure, which might help students to make sense of the procedure.

Session #183 Flying Under the Bridge: Using Math, Technology and Real world problems that meet CCS.

Presented by: Tracey Zak Johnson tzakjohnson@yahoo.com
Consultant Various Texas ISD's

8:00-9:00

Location: Stirling M

Audience: High School 9-12

Description: Engage students in your math class by involving them in real world problems. Ever wondered if a commercial airliner would be able to fly under the Harbour Bridge in Australia? In this session, teachers will use technology to investigate quadratics in order to answer this question. Teachers will receive full lesson plans aligned to CCS, software and complete student investigation to enable duplication of the activity in their classroom.

Session #184 Making the Florida Standards Come Alive Through Lesson Study

Presented by: Claire Riddell claire.riddell@stjohns.k12.fl.us

Instructional Coach Wards Creek Elementary, St Johns County School District
Laura Burrell Math Coach Holiday Hill Elementary, Duval County Public Schools
burrelll1@duvalschool.org

8:00-9:00

Location: Stirling N

Audience: Elementary PreK-2, Elementary 3-5

Description: Presenters will share their experiences participating in and facilitating lesson study at the team, school, district and international level. Participants will gain insight into ways to utilize lesson study to enhance the mathematical understanding of teachers and students. Come engage with us as we explore ways to make the Florida Standards come alive through lesson study!

Session #185 Students as Mathematicians: A (Common Core) Modeling Approach

Presented by: Greta Mills GMills@oapb.org

Mathematics teacher Oxbridge Academy of the Palm Beaches

8:00-9:00

Location: Stirling O

Audience: College, Teacher Educators, Research, High School 9-12

Description: When we expect students to behave as mathematicians, they learn to address meaningful problems while developing the necessary mathematical tools in an environment of creative collaboration, modeling, and communication. This presentation will include modeling activities, helpful tips, and connections to the Common Core State Standards (CCSS).

Session #186 Supporting creative and innovative thinking with outside the box mathematical reasoning

Presented by: Enrique Ortiz enrique.ortiz@ucf.edu

Associate Professor University of Central Florida

8:00-9:00

Location: Stirling P

Audience: Elementary 3-5, Middle 6-8, Algebra

Description: Out-of-the box, lateral or divergent thinking is involved in the creative process, and implementation of CCSS for mathematical practice. Engaging problems that spark imagination, innovation and creativity will be discussed, as well as possible implementation challenges. Participants will need to think differently, unconventionally or from a new perspective, develop a deeper appreciation of the beauty of this type of thinking and willingness to try it with students.

Session #187 An interactive guide to creating STEM lesson plans.

Presented by: Ms. Katie Arndt klarndt@mail.usf.edu

Graduate Assistant University of South Florida

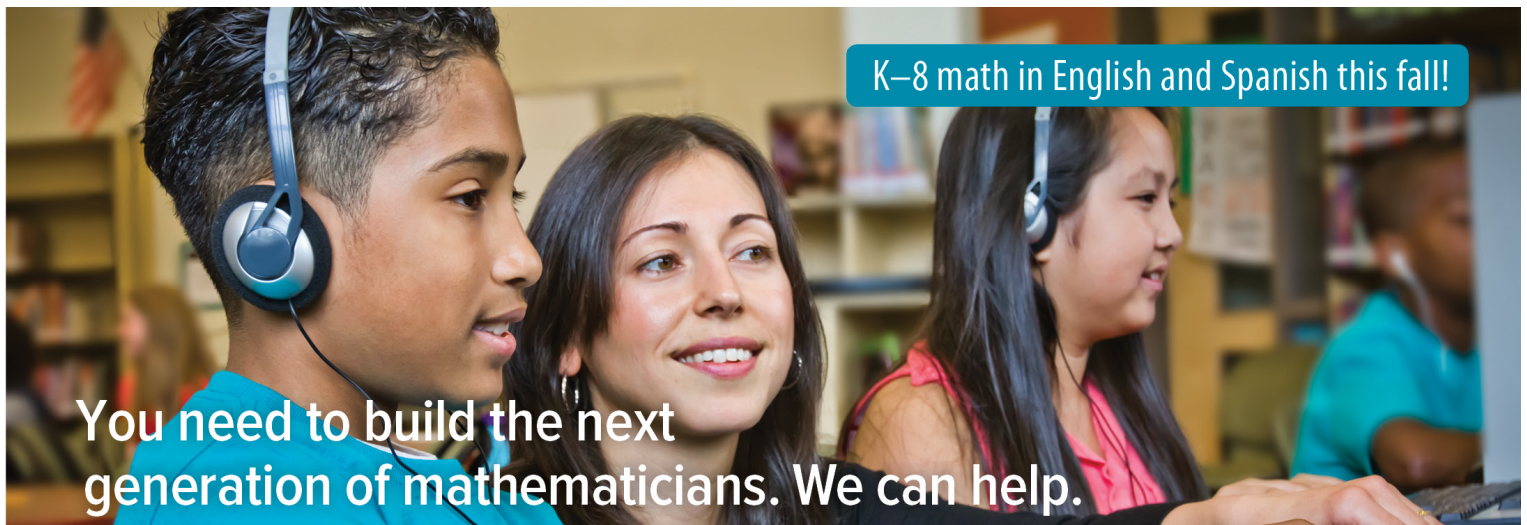
Dr. Sarah VanIngen, Assistant Professor, vaningen@usf.edu

8:00-9:00

Location: Stirling Q

Audience: College, Teacher Educators, Research, Elementary PreK-2, Elementary 3-5

Description: In this session we will go over how to plan for integrated STEM lessons. We will talk about what to include, and how to plan STEM lessons for a diverse classroom of students. We will give a brief overview of culturally responsive teaching, and what it looks like in mathematics classrooms as well as with STEM lessons. Finally, we will have an interactive portion of the presentation to help guide participants to create their own STEM lesson plans.



DreamBox Learning™ Math delivers a highly personalized learning environment to promote conceptual understanding and the ability to solve real-world math problems. The result is a K–8 learning experience that students love, actionable data that support teachers, and outcomes you'll be proud to share.

Seeing is believing. Come visit Booth #203!

Increase in Academic Performance Index



2012-2013

CLEVELAND ELEMENTARY
Santa Barbara, California

* Based on a value-added calculation of testing data and expected outcomes

Sara Murphy

877.451.7845 ext. 519

sara.murphy@dreambox.com



Session #188 Investigating Data Displays and Statistics with Technology

Presented by: Margaret Bambrick mbambric@volusia.k12.fl.us
Mathematics Teacher University High School

9:15-10:15

Location: Stirling B

Audience: Middle 6-8, Algebra, High School 9-12

Description: Come build appropriate data displays for a variety of data sets with hands-on materials and technology. Participants will build statistical models with manipulatives and use TI-Nspire technology to investigate shape, center, and spread.

Session #190 All About Division: Interpreting the Remainder

Presented by: Ms. Rebecca Gault rebecca.gault@knights.ucf.edu
Doctoral Student University of Central Florida
Laura Tapp Doctoral Student University of Central Florida Laura.tapp@knights.ucf.edu
Katie Harshman Doctoral Student University of Central Florida
Katie.harshman@knights.ucf.edu

9:15-10:15

Location: Stirling D

Audience: Elementary 3-5, Middle 6-8

Description: Do your students struggle with interpreting the remainder when solving division problems? Do you struggle with guiding students to understand these concepts? In this session you will learn what it feels like to come up with answers when the presenter “guides” rather than “tells”, while working on interpreting the remainder in division problems. Participants will work in groups to discuss solution strategies and answers. Acceptable solutions and common misconceptions will be addressed.

Session #191 Teaching Geometry Through Problem Based Tasks

Presented by: Cory Cloud pcc02c@fsu.edu
Assistant Professor Florida State University Schools
Whitney Parsons, Math Instructor, Florida State University Schools, wparsons@fsu.edu

9:15-10:15

Location: Stirling E

Audience: Middle 6-8, Geometry, High School 9-12

Description: This presentation gives teachers engaging problem based tasks to use in the geometry classroom. These tasks require students use math practice standards to discover new needs based knowledge. This hands-on presentation will allow teachers to walk back into their classroom with ready to go tasks to engage their students.

Session #192 Involving Students in Real Research: Teaching and Understanding Beyond the AP Statistics Curriculum

Presented by: Dr Susan Archer ARCHERS2@erau.edu

teacher Duval County Public Schools

Ana Griffin teacher Duval County Public Schools griffina3@duvalschools.org

9:15-10:15

Location: Stirling F

Audience: College, Teacher Educators, Research, High School 9-12

Description: Involve students in real research projects so they understand the AP Statistics content because they can DO statistics! Finding public access data. Statistics software available online. What we are doing to help students OWN the content.

Session #193 Purposeful Math Talk: Why it Matters and How to Plan for it.

Presented by: Douglas Hill hilldo@pcsb.org

Elementary Mathematics Staff Developer Pinellas County Schools

9:15-10:15

Location: Stirling G

Audience: Administration, Leadership, District Personnel, Elementary 3-5

Description: Math Talk. How does it support the Mathematics Florida Standards? Why is it important? How do I plan for purposeful math talk? What should it look like in my classroom? In this session we'll practice engaging in mathematical talk structured around a high cognitive demand task. Also, we'll use the framework from 5 Practices for Orchestrating Productive Mathematical Discourse (Smith & Stein, 2011) to collaboratively plan instruction around a high cognitive demand task aligned to the Mathematics Florida Standards.

Session #194 Mathematics Content Complexity (DOK) in the Middle School Classroom

Presented by: Pamela J. Guyton pamela.guyton@ocps.net

FCTM VP-Middle School/District Mathematics Coach FCTM/OCCTM/Orange County Public Schools

Gina Mina Middle School Math Teacher, OCCTM/Oranage County Public Schools

Gina.minchey@ocps.net

9:15-10:15

Location: Stirling H

Audience: Administration, Leadership, District Personnel, College, Teacher Educators, Research, Middle 6-8

Description: What does the rigor of DOK 2 and DOK 3 look like in middle school? Plan to learn new strategies and examples of how to meet the rigor of the new Florida Math Standards through problem solving and performance tasks.

Session #195 Building a Strong Foundation with Math Fact Fluency

Presented by: Mr Jason Kopish jkopish@explorelearning.com

Education Consultant ExploreLearning

9:15-10:15

Location: Stirling I

Audience: Administration, Leadership, District Personnel, General Interest, Elementary 3-5, Middle 6-8

Description: Students who can automatically recall math facts are more capable problem solvers, learn new math skills more quickly, and are more likely to succeed in future math courses. Unfortunately, many students still spend too much time and brainpower on simple facts. Find out how to help students build a strong math fact fluency foundation.

Session #196 Mathematical Norms in Kindergarten

Presented by: Jennifer Ward jenniferward@usf.edu

Partnership Resource Teacher University of South Florida

Katie Arndt, Graduate Assistant University of South Florida klarndt@mail.usf.edu

9:15-10:15

Location: Stirling L

Audience: Administration, Leadership, District Personnel, General Interest, Elementary PreK-2

Description: Construction of mathematical norms is a pivotal component for developing a mathematics community, but what does this look like for our earliest learners? Sample stories that discuss the habits of mind outlined in the Standards for Mathematical Practice are presented in language that is child friendly for our Kindergarten learners.

Session #197 Addressing CCS with Technology in the Early Years

Presented by: Tracey Zak Johnson tzakjohnson@yahoo.com

Educational Consultant Various Texas ISD's

9:15-10:15

Location: Stirling M

Audience: Elementary 3-5

Description: Using technology to explore & deepen student understanding of concepts is a deep rooted standard in common core. In this session, teachers will explore new ways to help their students make connections between Improper fractions, mixed #s & decimals using hands on activities and technology. Teachers will walk away with multiple lesson plans for grades 3-5 and specific to Common Core Standards and Practices.

Session #198 Closing Session including Guest Speaker Dr. Juli Dixon
Title: "It's not about you: Shifting the focus to the students"

10:30-12:15

Location: Stirling Ballroom

Dr. Juli Dixon is a professor of mathematics education at the University of Central Florida in Orlando, Florida. She coordinates the award winning Lockheed Martin/UCF Academy M.Ed. in K-8 Mathematics and Science and the PhD in Mathematics Education. Dr. Dixon is an active researcher with a history of over \$9M in external funding focused on professional development. She has a multitude of publications including books; textbooks; book chapters; and articles and international, national, and state invited keynotes and presentations. She was the chair of the National Council of Teachers of Mathematics Student Explorations in Mathematics Editorial Panel and on the Board of Directors for the Association of Mathematics Teacher Educators. She provides extensive professional development with teachers (including model teaching) and for school and district administrators.



**Dr. Juli Dixon's presentation is graciously
sponsored by Houghton Mifflin Harcourt**



Vendor Directory

117 3P Learning Mathletics



Sean Kroll
<http://www.3plearning.com>
 866-387-9139, sean.kroll@3plearning.com

409 AIMS



Carmella Crawford
<http://www.aimsedu.org>
 888-733-2467 Ext 8112, osbourne@aimsedu.org

304 Beacon Educator



Barbara Eubanks, Kathy Jones
<http://www.beaconeducator.com>
 800-311-6437,

309/307 Big Ideas learning, LLC



Lisa Goldsmith, Mary Quadrini, Mary Jo Cunningham
<https://www.bigideasmath.com>
 814-824-6365, jwolff@larsontexts.com

312 Box Cars and One-Eyed Jacks



Stephanie Garcia, J. Felling
<http://www.boxcarsandoneeyedjacks.com>
 780-440-6284, jane@boxcarsandoneeyedjacks.com

113 Casio America, Inc.



Illiana Gonzalez
<http://www.casio-usa.com>
 973-361-5400 ext 4351, igonzalez@casio.com

404 Curriculum Associates



Dina Heffernan, Andrea Shane, Lois Page, Rob Selvaggi 407-346-3153
<http://www.curriculumassociates.com>

104/106 Destination Knowledge



Kristine Marsh, Christine Hamilton
<http://destinationknowledge.com>
 800-889-4886, info@destknow.com

203 DreamBox



Sara Murphy, Dr. Crimmins
<http://www.dreambox.com>
 859-494-5122, sara.murphy@dreambox.com

413 Educators Outlet, Inc.



Gary Otto, Kristen Otto
<http://educatorsoutlet.com>
 970-224-3811, garyotto@educatorsoutlet.com

414 Acaletics



Mike Bell, Kim Kieffer, Omar Rivera, Charles Anglade
<http://www.acaletics.com>
 305-362-8887, acaletics@aol.com

417 Amplify Education



Megan Hartman
<http://www.amplify.com>
 917-698-3079, mhartman@amplify.com

205 Bedford, Freeman, & Worth Publishers and W. H. Freeman



212-375-7154, jacqueline.seltzer@macmillan.com
 and ndesiato@bfwpub.com

403 Borenson and Associates, Inc



Evelyn Riley
<http://www.borenson.com>
 800-993-6284,

418 Carnegie Learning



<https://www.carnegielearning.com>
 888-851-7094,

112 CPM Educational Program



Tim Scripko, Christine Mikles
<http://www.cpm.org/index.html>
 209-745-2055,

213 Dali Museum



Peter Tush, Craig Petersburg, Bethany Mead
<http://thedali.org>
 727-623-4730, bmead@thedali.org

111/109 Dinah-Might Adventures



Nancy Wisker, Sara Potter
<http://www.dinah.com>
 1-800-99-DINAH, sara@dinah.com

103 EAI Education



Janet McCoid
<http://www.eaieducation.com>
 800-770-8010, btuzzeo@eaieducation.com

308 Edusmart



Joe Irby, Joseph Irby
<http://www.edusmart.com>
 501-228-9100

Vendor Directory

408 EPS Literacy and Intervention



Diane Barber
<http://eps.schoolspecialty.com>
 800-225-5750,

214 Everglades K-12 Publishing, Inc



Kevin Bechert
<http://evergladesk12.com>
 465-1889, kbechert@evergladesk12.com

102 FCTM



<http://fctm.schoolfusion.us>

405 Heinemann



Julio DeCastro, Debbie Sanders, Trudy Johnson
<http://heinemann.com>
 603-431-7894

317 I See Math



Ron Eaglin, Linda Eaglin, Dean Monaco
<http://www.iseecards.com>
 407-620-3055, linda.eaglin@gmail.com

412 Lakeshore Learning Materials



Mary Arnold
<http://www.lakeshorelearning.com>
 800-421-5354

318 Leonhardt Games LLC



James Leonhardt, Richard Skinner, Aaron Pabon, Christina Scott
<http://leonhardtgames.com>
 530-209-5664, james@leonhardtgames.com

204/206 Mentoring Minds



Debbie Wheeldon, Teresa Sherman
<https://www.mentoringminds.com>
 903-509-4024

306 Nasco



Dixie Behlke, Connie Kolander
<http://www.enasco.com>
 920-563-2446, kolander@enasco.com

208/210/212 Pearson



Pam Revels, Jennifer Jordan, Deb McGinley
<http://www.pearsonschool.com>
 941-379-8354, pam.revels@pearson.com

407 ETA hand2mind



Jennifer Gilman, Janna Thomsen, Sylvia Fumero
<http://www.hand2mind.com>
 800-445-5985

105 Explore Learning



Arlene Fonda, Desiree Sujoy
<http://www.explorelearning.com>
 866-882-4141

209 Frog Publications, Inc.



<http://www.frog.com>
 800-777-3764

410 HMH



Jeff Rutter, Jeff Guerra, Mindi Jones
<http://www.hmhco.com>
 4007-345-3777

311 IXL Learning



Mike Pi, Mary Russick, Suzi Streppone
<http://www.ixl.com>
 855-255-8800, orders@ixl.com

207 Learning Wrap-Ups, Inc.



Rich Stuart
<http://learningwrapups.com>
 801-497-0050, rich@learningwrapups.com

114 (by stage) McGraw Hill



Rachel Powers
<http://www.mheducation.com>
 800-334-7344

218 Moving with Math



Barry Persby, Greg Miller
<http://www.movingwithmath.com>
 800-852-2435

211 Neufeld Learning Systems, Inc.



Rudy Neufeld, Nancy Beights, Anthony Armbrister
<http://www.neufeldlearning.com>
 866-429-6284

314 Penda Learning



Nina Kuhn, Evelyn Ritchie
<https://www.pendalearning.com>
 800-481-8101, nkuhn@pendalearning.com

Vendor Directory

313 Renaissance Learning



Don Bascle
<http://www.renaissance.com>
407-375-3515,

107 Scholastic



Cathy Bonhomme, Marta Acosta, Stephanie Sefjack, Kimberly Bynoe
<http://www.scholastic.com>
813-416-9924, cbonhomme@scholastic.com

305 Texas Instruments



Dave Barron
<http://www.ti.com>
386-740-8763

310 Think Through Math



Judy Masse, Ginger Friz
<http://www.thinkthroughmath.com>
866-357-8664

110 Turner Educational Products



Phillip Neill, Cheryl Neill
817-637-7445, neillsales@sbcglobal.net

411 Western Governors University



Bob Rustad
<http://www.wgu.edu>
801-274-3280

100 Sadlier



Scott Kasch, Brian Murphy
<http://www.sadlier.com>
918-287-8492, skasch@sadlier.com

303 Suntex International, Inc. (First In Math/24Game)



Cynthia Anderson, Nancy Kane
<http://www.firstinmath.com>
610-253-5255

406 The College Board



Brian Whitehead, Ninette Forte, Kimberly Greenwald
<https://www.collegeboard.org>
212-373-8762

116 Triumph Learning



Christy Handley
<http://www.triumphlearning.com>
904-562-7774

108 Voyager Sopris Learning

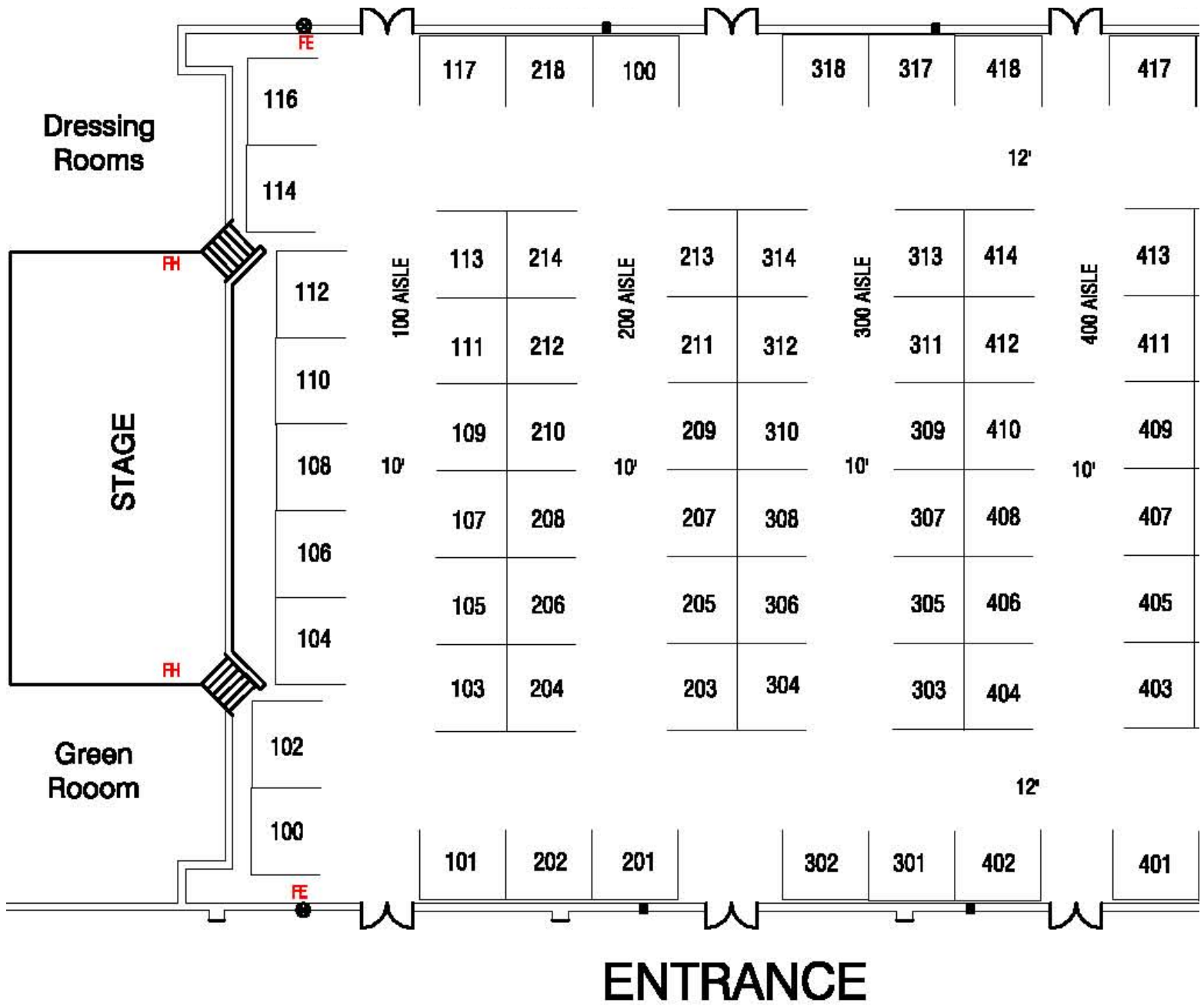


Jean Correll, Lazaro Garcia, David Traviesa
<http://www.voyagersopris.com>
954-632-6206, jean.correll@voyagersopris.com

Exhibits by Name	
Booth #	Exhibitor
117	3P Learning Mathletics
414	Acaletics
409	AIMS
417	Amplify Education
304	Beacon Educator
205	Bedford, Freeman, & Worth...
309/307	Big Ideas learning, LLC
403	Borenson and Associates, Inc
312	Box Cars and One-Eyed Jacks
418	Carnegie Learning
113	Casio America, Inc.
112	CPM Educational Program
404	Curriculum Associates
213	Dali Museum
104/106	Destination Knowledge
111/109	Dinah-Might Adventures
203	DreamBox
103	EAI Education
413	Educators Outlet, Inc.
308	Edusmart
408	EPS Literacy and Intervention
407	ETA hand2mind
214	Everglades K-12 Publishing, Inc
105	Explore Learning
102	FCTM
209	Frog Publications, Inc.
405	Heinemann
410	HMH
317	I See Math
311	IXL Learning
412	Lakeshore Learning Materials
207	Learning Wrap-Ups, Inc.
318	Leonhardt Games LLC
114	McGraw Hill
204/206	Mentoring Minds
218	Moving with Math
306	Nasco
211	Neufeld Learning Systems, Inc.
208/210/212	Pearson
314	Penda Learning
313	Renaissance Learning
100	Sadlier
107	Scholastic
303	Suntex International, Inc.
305	Texas Instruments
406	The College Board
310	Think Through Math
116	Triumph Learning
110	Turner Educational Products
108	Voyager Sopris Learning
411	Western Governors University

Exhibits by Name	
Booth #	Exhibitor
100	Sadlier
102	FCTM
103	EAI Education
104/106	Destination Knowledge
105	Explore Learning
107	Scholastic
108	Voyager Sopris Learning
110	Turner Educational Products
111/109	Dinah-Might Adventures
112	CPM Educational Program
113	Casio America, Inc.
114	McGraw Hill
116	Triumph Learning
117	3P Learning Mathletics
203	DreamBox
204/206	Mentoring Minds
205	Bedford, Freeman, & Worth...
207	Learning Wrap-Ups, Inc.
208/210/212	Pearson
209	Frog Publications, Inc.
211	Neufeld Learning Systems, Inc.
213	Dali Museum
214	Everglades K-12 Publishing, Inc
218	Moving with Math
303	Suntex International, Inc.
304	Beacon Educator
305	Texas Instruments
306	Nasco
308	Edusmart
309/307	Big Ideas learning, LLC
310	Think Through Math
311	IXL Learning
312	Box Cars and One-Eyed Jacks
313	Renaissance Learning
314	Penda Learning
317	I See Math
318	Leonhardt Games LLC
403	Borenson and Associates, Inc
404	Curriculum Associates
405	Heinemann
406	The College Board
407	ETA hand2mind
408	EPS Literacy and Intervention
409	AIMS
410	HMH
411	Western Governors University
412	Lakeshore Learning Materials
413	Educators Outlet, Inc.
414	Acaletics
417	Amplify Education
418	Carnegie Learning

INVERNESS BALLROOM



Florida Council of Teachers of Mathematics state conference 2014 planning committee

Margaret Bambrick - Signs

Dharvette Barwick – Volunteers

Carroll Bauer - Volunteers

Barbara Cavanah - Communication

Nikishia Dixon - Volunteers

Cindie Donahue - Meals and Special Events

Vicki Goggans - Treasurer

Lisa Greco - Audio Visual

Chris Hanes - Communication

Nicole Ketchem - Exhibits

Barbara Knox - Program

Jill Nielsen - Meals and Special Events

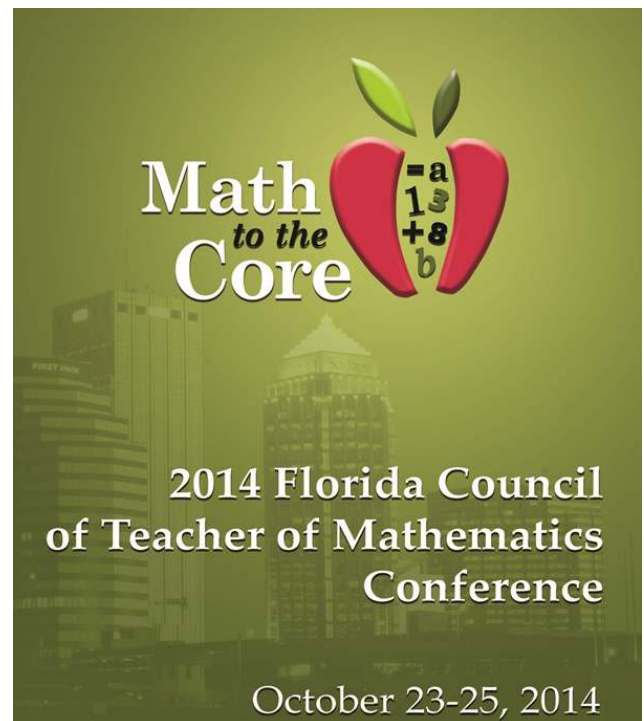
Joe Ratasky – Program

Betsy Shreero - Volunteers

Margaret Walker – FCTM President

Pauline Watson - Registration

Karen Wood - Meals and Special Events



We thank each of you for your dedication while collaboratively organizing this wonderful event with us. We appreciate your willingness to spend many extra hours to ensure that educators who attend this conference have an enjoyable and rich learning experience. It has been an honor to work with each of you. We wish you all the best as you continue to learn and grow in the field of Mathematics Education. Thanks for helping us take Math to the Core!

Lisa Robertson & Cindy Thigpen – General Co-Chairs

The Florida Council of Teachers of Mathematics 2014 Conference

Acknowledgements

FCTM would like to thank the following people and companies for their support of our 62nd Annual State Conference.

Acaletics

Broward County Council of Teachers of Mathematics

Destination Knowledge

Duval Elementary Mathematics Council

Explore Learning

Flocabulary

HoodaMath

McGraw-Hill Education

Okeechobee Council of Teachers of Mathematics

Osceola Science and Math Organization
to Support and Inspire Students

Pasco Council of Teachers of Mathematics

Perennial Math

Pinellas Education Foundation

The Staff of Innisbrook Resort and Spa

Big Ideas Learning

Casio

DreamBox

EAI Education

FCTM Board of Directors

Hillsborough Council of Teachers of Mathematics

Joifull Essence

Moody's Mega Math Challenge

Orange County Council of Teachers of
Mathematics

Palm Beach County Council of Teachers of
Mathematics

Pearson

Pinellas Council of Teachers of Mathematics

Scott Herman Designs

Tampa Bay Rays

*Thank
You*

FLORIDA COUNCIL OF TEACHERS OF MATHEMATICS 2014 STATE CONFERENCE

CELEBRATING 62 YEARS OF DEDICATED SERVICE TO
MATHEMATICS EDUCATION IN THE STATE OF FLORIDA



Math to the Core

CERTIFICATE OF ATTENDANCE

**Attended the FCTM State Conference
October 23 - 25, 2014**

Margaret Walker

**Margaret Walker
President ~ FCTM
Palm Harbor, Florida
Innisbrook Resort**

