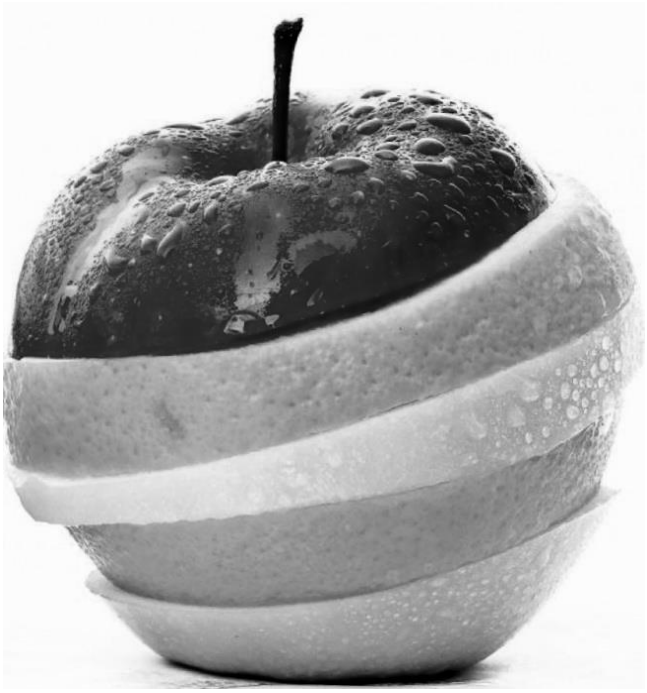
TENNESSEE MATHEMATICS TEACHERS ASSOCIATION

State Conference

SEPTEMBER 27 AND 28, 2013



FROM THE STEM

SCIENCE
TECHNOLOGY
ENGINEERING
MATHEMATICS

TO THE CORE

COMMON
ORDER OF
REQUIRED
ELEMENTS

HOSTED BY:

Memphis Area Council of Teachers of Mathematics
Memphis University School
Memphis, TN

TABLE OF CONTENTS

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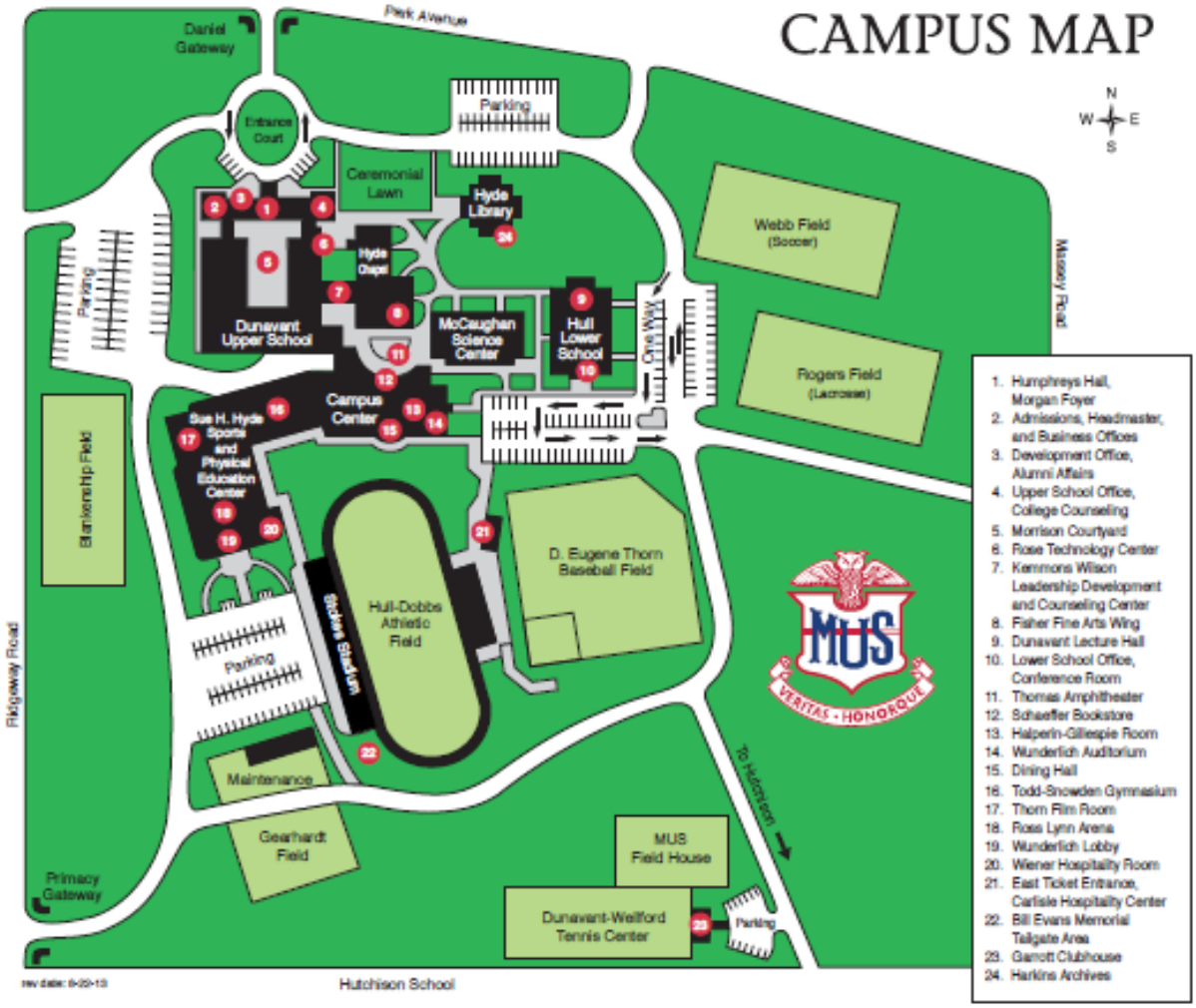
For more conference information, please visit **www.tmta.info.**

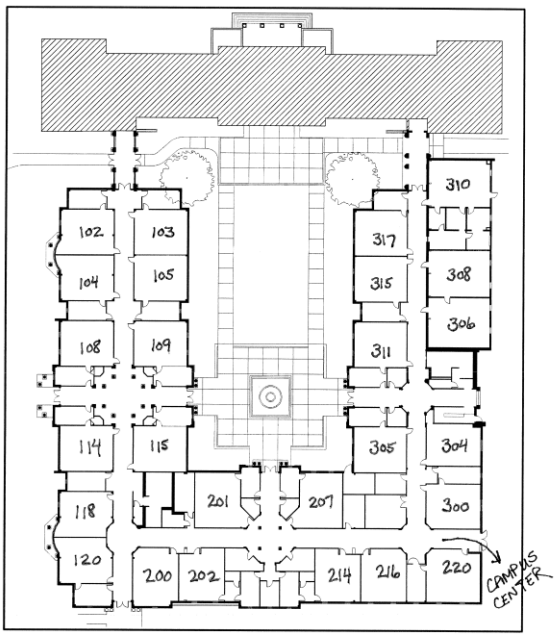
MEMPHIS UNIVERSITY SCHOOL CAMPUS

The best entrance to campus will be the "Primacy Gateway" off Ridgeway Road, at the lower left (southwest) corner of this map. Look for directional signs. Parking on campus should be easy, as students will already be gone.

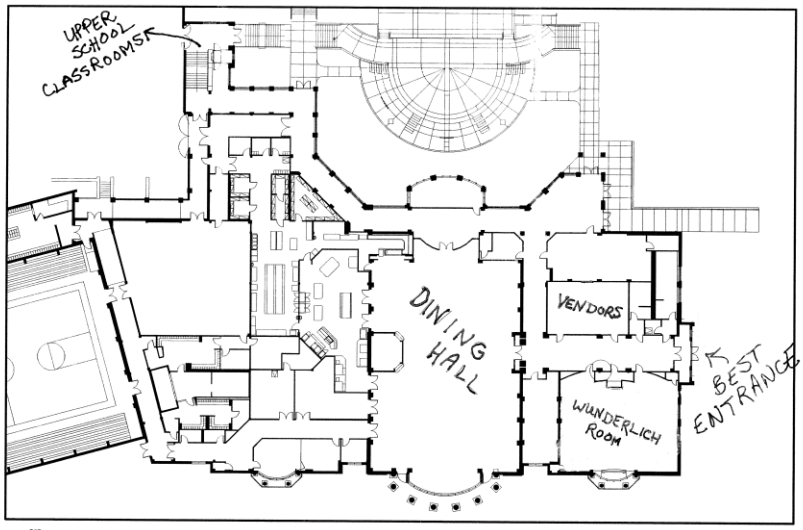


MEMPHIS UNIVERSITY SCHOOL BUILDINGS

The "Dunavant Upper School" and the "Campus Center" are situated relative to each other roughly as shown; they are connected by a zig-zag hallway.



DUNAVANT UPPER SCHOOL
LIFE SAFETY EVACUATION PLAN



CAMPUS CENTER
LIFE SAFETY EVACUATION PLAN

TMTA VENDORS

Please stop by the Campus Center to check out the educational resources offered by our vendors and supporters.
A complete list is available separately.

Friday, 3:00-6:00
Saturday, 8:00-2:30

SESSION TIMES AND PLANNING SHEET

FRIDAY, SEPTEMBER 27, 2013

Session A	3:00-3:50	_____
Session B	4:00-4:50	_____
Session C	5:00-5:50	_____
AWARDS BANQUET AND SPEAKER	6:00-8:30	Dining Hall, Campus Center

SATURDAY, SEPTEMBER 28, 2013

CONTINENTAL BREAKFAST	7:30-8:30	Dining Hall, Campus Center
Session D	8:30-9:20	_____
Session E	9:30-10:20	_____
Session F	10:30-11:20	_____
LUNCH WITH YOUR AFFILIATE	11:30-12:20	Dining Hall, Campus Center
Session G	12:30-1:20	_____
Session H	1:30-2:20	_____
SPECIAL GUEST DAVID WILLIAMS	2:30-3:00	Wunderlich Auditorium, Campus Center
BUSINESS MEETING AND DOOR PRIZES	3:00-3:30	Wunderlich Auditorium, Campus Center

For more conference information, please visit **www.tmta.info**.

Friday, September 27

REGISTRATION
2:30 – 6:00 p.m.
Campus Center

Come pick up your registration packet before heading to your first session!

EXHIBITS
3:00 – 6:00 p.m.
Campus Center

Make sure you stop by and browse our vendor hall while you're with us!

SESSION A
3:00-3:50 P.M.

Session	Room	Presentation	Grade Band(s)
A01	308	***Share-Alike Group: Informal Networking and Discussion*** Topic this hour: *"It's a New Day: How Are We Doing?"*	All
A02	305	***Teaching Geometry Through Literature and Games*** Children's literature and folder games are used to teach geometry with a focus on perimeter, area, and the Cartesian coordinate system. Tammi Terry and Rachelle Potter	3-5
A03	214	***Lesson Ideas from 'Place Value With Pizzazz'*** Explore engaging activities from Kim Sutton's book for helping students develop better understanding of place value concepts. Holly Anthony, Twanelle Majors, and Stephanie Amato	3-5
A04	304	***Let's Do the Math and Make a Math 180°*** Let's rebuild, not just review or reteach. This session will focus on procedures designed to build conceptual understanding of fractions. Jan Scott	3-5, M
A05	300	***Address CCSS with Real-World Problems for Middle School Students*** Problem-based tasks employ CCSS Math Practices, address CCSS content, and are fun and engaging for students. Review resources, and leave with classroom samples. Jill Rosenblum	M
A06	315	***101 Ways (or so) to Use Index Cards in Math Class*** Index cards are used as manipulatives, organizers, concept builders, grading assistants, foldables, graphs, response indicators and more! Pat Tyree and Lois Coles	M, H

Session	Room	Presentation	Grade Band(s)
A07	207	***Using Media in Finite Math and Algebra II*** Video clips from *The Hunger Games*, *The Matrix*, *The Walking Dead*, *Monty Python*, and others are used to engage students in rich activities modeling mathematical concepts. Susan Mosteller and Savannah Harrison	H, C
A08	311	***Rural Education and Higher Education: The Connection*** Rural schools and institutions of higher education connect to provide much-needed services and help all students push towards success, often with limited resources. Allen Pratt	K-2, 3-5, M, H, C, P
A09	317	***College Algebra Redesign: CORE to College Roundtable*** Introduction of CORE to College Initiative with discussion of what should be in College Algebra if students came already prepared. Melissa Stugart	H, C, P, G
A10	216	***STEM -- Rockin' and Rollin' with KNex Rollercoasters*** This hands-on workshop features activities from University of Memphis' GEE Summer Engineering Programs. Stephanie Ivey	M, H, P

SESSION B
4:00-4:50 P.M.

Session	Room	Presentation	Grade Band(s)
B01	308	***Share-Alike Group: Informal Networking and Discussion*** Topic this hour: *"Ideas About the Hardest Thing to Teach"*	All
B02	305	***Creating a Thinking Classroom with Common CORE Math*** Assisting teachers in using thinking routines to help students go deeper in their thinking about math content and processes. Karen Vogelsang	K-2
B03	214	***Why Do We Need Fractions Anyway?*** In engaging Common CORE-ready activities, students develop number sense to understand fractions, decimals, and percentages. Jennifer North Morris	3-5

Session	Room	Presentation	Grade Band(s)
B04	207	***The Best End of the Year Unit – Ever*** Students complete a simulation of what life will be like after school, emphasizing the need to stay in school. Catherine Davis	M
B05	315	***101 Ways (or so) to Use Index Cards in Math Class*** Index cards are used as manipulatives, organizers, concept builders, grading assistants, foldables, graphs, response indicators and more! Pat Tyree and Lois Coles	M, H
B06	300	***Address CCSS with Real-World Problems for High School Students*** Problem-based tasks employ CCSS Math Practices, address CCSS content, and are fun and engaging for students. Review resources, and leave with classroom samples. Jill Rosenblum	H
B07	201	***Create and Implement Mathematical Instructional Tasks*** Develop a strong understanding of the components of a mathematical instructional task as addressed in the CCSS, and the implementation process of task-based instruction. April Kabler	K-2, 3-5, M, H, G
B08	311	***Rural Education and Higher Education: The Connection*** Rural schools and institutions of higher education connect to provide much-needed services and help all students push towards success, often with limited resources. Allen Pratt	K-2, 3-5, M, H, C, P
B09	317	***College Algebra Redesign: CORE to College Roundtable*** Introduction of CORE to College Initiative with discussion of what should be in College Algebra if students came already prepared. Melissa Stugart	H, C, P, G
B10	114	***Meeting Students' Learning Styles with Math Menus*** Participants receive plans for math menus already aligned to the Common CORE standards and learn to create one of their own. Queen Ogbomo	G

Session	Room	Presentation	Grade Band(s)
B11	304	***Let's Do the Math and Make a Math 180°*** Let's rebuild, not just review or reteach. This session will focus on procedures designed to build conceptual understanding of fractions. Jan Scott	3-5, M
B12	216	***STEM – "Race to the Finish" with KNex Cars*** This hands-on workshop features activities from University of Memphis' GEE Summer Engineering Programs. Kelsey Ford	M, H, P

SESSION BC (DOUBLE SESSIONS)
4:00-5:50 P.M.

Session	Room	Presentation	Grade Band(s)
BC01	120	***Helping Teachers and Kids Build Constructed Responses*** CCSSM, NAEP, and PARCC support constructed responses, which encourage students to think, reason, connect, communicate, and develop mathematical understanding. George Poole	3-5
BC02	118	***Getting to the 'CORE'*** Engage in activities to strengthen instructional practices necessary for effective Common CORE implementation. Daphne Jones	3-5
BC03	200	***Algebra Labs: Real Life Applications*** How to use hands-on math labs to expand the teaching of algebra beyond classroom lectures and memorization into the realm of real-life data collection and applications. Sister Cecilia Anne	M, H

SESSION C
5:00-5:50 P.M.

Session	Room	Presentation	Grade Band(s)
C01	308	***Share-Alike Group: Informal Networking and Discussion*** Topic this hour: *"High School Math Chat"*	H
C02	305	***Creating a Thinking Classroom with Common CORE Math*** Assisting teachers in using thinking routines to help students go deeper in their thinking about math content and processes. Karen Vogelsang	K-2
C03	202	***Breaking News…The Mystery is Solved!*** Work through activities designed to use basic calculators to lead to the discovery of concepts. Deedee Stanfield	3-5
C04	207	***The Best End of the Year Unit – Ever*** Students complete a simulation of what life will be like after school, emphasizing the need to stay in school. Catherine Davis	M
C05	214	***Strike a Pose: Modeling in Algebra*** The pressure is greater than ever to include modeling in mathematics. Come explore what modeling looks like in the algebra curriculum with minimal, inexpensive supplies. Jennifer North Morris	M, H
C06	304	***Pre-Calculus Common CoreCORE*** What does Common CoreCORE look like in classes not yet defined by the state? Sharing and caring with our COREore class teachers. Cyndy Howes	H, P

Session	Room	Presentation	Grade Band(s)
C07	201	***Create and Implement Mathematical Instructional Tasks*** Develop a strong understanding of the components of a mathematical instructional task as addressed in the CCSS, and the implementation process of task-based instruction. April Kabler	K-2, 3-5, M, H, G
C08	317	***Balanced Assessment Integration for K-12 and Pre-Service Teachers*** Focus on the importance of designing and implementing a balanced assessment system and of assessment literacy under Common CORE and improving career and college readiness. Joe Wood and Jon Frye	K-2, 3-5, M, H, P
C09	300	***Producing Math Educators Using Inquiry and Project-Based Learning*** Using the 5 E lesson plan with graphing calculators to gain a conceptual understanding of graph translation in the coordinate plane. Jada Meeks	M, H, C, P
C10	311	***Real-World and Not-So-Real-World Parametric Functions*** The graphing calculator is used to graph parametric functions in real-world and not-so-real-world applications, demonstrating its basic functions and applications. William Fulton	H, C, P
C11	315	***Brain-Based Research and Learning Common Core Math*** A discussion of how to revolutionize teaching and learning in today's classrooms using brain-based research and evidence-based strategies. Nina Kuhn	G
C12	216	***STEM – ""Bridging the Gap" with KNex*** This hands-on workshop features activities from University of Memphis' GEE Summer Engineering Programs. Annie Wise	M, H, P

6:00-8:30 P.M.
Dining Hall, Campus Center
Math Contest Winner Award Banquet
Keynote Speaker: S. Brent Morris

KEYNOTE SPEAKER: S. Brent Morris

"Mathematics of the Folger Cipher"

S. Brent Morris has a Ph.D. and M.A. in mathematics from Duke University and an M.S. in Computer Science from Johns Hopkins University. He is believed to have the first doctorate in the world in card shuffling; his dissertation is entitled *Permutations by Cutting and Shuffling: A Generalization to Q Dimensions.* He retired after 25 years as a mathematician with the federal government and has taught at Duke, Johns Hopkins, and George Washington Universities. He is now managing editor of the *Scottish Rite Journal* of the Scottish Rite Masons in Washington, D.C. He is the author of *Magic Tricks, Card Shuffling, and Dynamic Computer Memories* (MAA, 1998), two U.S. patents, nine technical articles, and nine books on Freemasonry.

He became interested in the perfect shuffle in high school and has pursued its mathematics for over 35 years. He worked his way through college and graduate school as a magician. He was an ACM Distinguished Lecturer, an MAA Visiting Lecturer, a SIAM Visiting Lecturer, and he has been invited to lecture at the Smithsonian Institution, the Board on Mathematical Sciences of the National Research Council, NASA Goddard Space Flight Center, AT&T Bell Labs, NEC Research Institute, the National War College, the Joint Mathematics Meetings of the MAA/AMS, and over 100 colleges.

Saturday, September 28

REGISTRATION
7:30 – 11:30 A.M.
Campus Center

Come pick up your registration packet before heading to another session!

EXHIBITS
8:00 A.M. – 2:30 P.M.
Campus Center

Make sure you stop by and browse our vendor hall while you're with us!

CONTINENTAL BREAKFAST
7:30 – 8:30 A.M.
Dining Hall, Campus Center

Enjoy a quick breakfast with fellow teachers before starting your day!

SESSION D
8:30-9:20 A.M.

Session	Room	Presentation	Grade Band(s)
D01	308	***Share-Alike Group: Informal Networking and Discussion*** Target this hour: *Mu Alpha Theta and other contest sponsors*	H
D02	311	***Fluency Baskets for Middle Grades 3 thru 5*** Ensuring that students have necessary fluency skills and practice with computation needed for success in Common CORE. Tracy Jordan and Carolyn Fitzgerald	3-5
D03	305	***Geometry a Middle Schooler Can Hold On To*** Workshop making polyhedral, with all supplies included. Maria Burke	M
D04	317	***Data Lead Spiral Review in Middle School Math*** Highlighting a data-driven instructional idea created to facilitate in the development of mathematically proficient students. Lawrence Nussio	M

Session	Room	Presentation	Grade Band(s)
D05	315	***Assessment in the CCSS Middle School Classroom*** Learn to create assessments for the CCSS classroom that help prepare students not only for CRA but also for PARCC. Kelli DeMoville and Dynelle Rinkes	M
D06	201	***Changes: What Every Middle Schooler Should Know*** Investigate ways to utilize technology to better incorporate proportional reasoning through measurement conversions, unit rates, and rates of change in CCSS. Lorie McFee	M
D07	207	***Assessing Student Understanding and Misunderstanding of Functions*** Explore function families and participate in activities designed to assess student understanding and misunderstanding of linear, exponential, quadratic, absolute value and piecewise functions. John Neral	M
D08	202	***Calculating Area and Volume of Irregular Solids*** Explore problems that introduce calculus concepts involving area and volume, focusing on strands appropriate from Algebra I to AP Calculus. Deedee Stanfield	H
D09	300	***'Common Sense' Thoughts on the Use of Technology*** From an old person's perspective: as we implement the use of technology for education, what are we doing right and what are we doing wrong? Leslie Howe	K-2, 3-5, M, H, P, G
D10	304	***Using Technology in Instruction: A Bridge, not a Barrier*** Using software such as Sketchup, Smart Notebook, and Geometer's Sketchpad, the applications for visual presentations to enhance instruction are almost without limit. Andy Stultz	M, H, C, P, G

Session	Room	Presentation	Grade Band(s)
D11	216	***Math History, Humor, and Hodgepodge*** Some math jokes, some humor in questions and quotes, and some tidbits from the calendar and history of mathematics will be served … the order of the day. Doy Ott Hollman	M, H, C, G
D12	220	***STEM Workshop – West Point 'Virtual' Bridge Design*** WPBD introduces engineering through a virtual design experience. Free software provides tools to model, test, and optimize a bridge, based on realistic performance criteria. Shelli Brasher	H, C, P, G

SESSION DE (DOUBLE SESSION)
8:30-10:20 A.M.

Session	Room	Presentation	Grade Band(s)
DE01	200	***Teach Problem-Solving and Logic with Chess*** Chess-related problems address complex spatial tasks and relationships, provide collaborative or competitive challenges, and allow students to intuit and explain reasoning. Stephen Schneider	3-5, M

SESSION E
9:30-10:20 A.M.

Session	Room	Presentation	Grade Band(s)
E01	308	***Share-Alike Group: Informal Networking and Discussion*** Target this hour: *Teachers of Grades 6-8*	M
E02	305	***Meeting the CORE Through Connections to the Arts*** Sample lessons for any classroom connect STEM concepts to CCSSM through music, dance, and art, engaging students intellectually and kinesthetically. Ann Assad and Amy Assad	K-2, 3-5

Session	Room	Presentation	Grade Band(s)
E03	315	***CRA: The Why Behind the How*** Students know how to get the answer, but now they must know why the process used works. Preparing students for success on the CRA. Catheryn Long and Margaret Pagano	3-5
E04	214	***Fractions are FUN: A Foundational Approach To Mathematical Practice and Content Standard*** Introducing fractional concepts at the concrete level in order to deepen conceptual knowledge, using assessing and advancing questions by problematizing and quick writes in the mathematics classroom. Martha Mason	3-5
E05	118	***Student Engagement Plus Common CORE in Middle School Math*** Two economically disadvantaged middle schools have found success using math stations, in-school labs, and afterschool math programs. Karen Jarratt and Misty Dobbs	3-5, M
E06	317	***Data Lead Spiral Review in Middle School Math*** Highlighting a data-driven instructional idea created to facilitate in the development of mathematically proficient students. Lawrence Nussio	M
E07	115	***Pre-Calculus Common CORE*** What does Common CORE look like in classes not yet defined by the state? Sharing and caring with our CORE class teachers. Cyndy Howes	H, P
E08	202	***From Wikki Stix to Graphing Calculators*** Engage in lessons where various tools (Wikki Stix, crayons, and graphing calculators) will be used to investigate inverse relationships. Deedee Stanfield	H

Session	Room	Presentation	Grade Band(s)
E09	300	***'Common Sense' Thoughts on the Use of Technology*** From an old person's perspective: as we implement the use of technology for education, what are we doing right and what are we doing wrong? Leslie Howe	K-2, 3-5, M, H, P, G
E10	304	***Using Technology in Instruction: A Bridge, not a Barrier*** Using software such as Sketchup, Smart Notebook, and Geometer's Sketchpad, the applications for visual presentations to enhance instruction are almost without limit. Andy Stultz	M, H, C, P, G
E11	120	***Appropriate Humor in the Mathematics Classroom*** This audience-participation presentation will explore a variety of humorous examples and puns, emphasizing the role of humorous storytelling as a cultural and mnemonic device. Daryl Stephens and Meredith Anne Higgs	M, H, C, P, G
E12	311	***Increasing Rigor Through the Use of Technology*** An overview of using technology in the classroom. Samples illustrating the use of The Geometer's Sketchpad and Excel will be discussed. Tyler Turner and Ann Turner	M, H, C
E13	114	***Meeting Students' Learning Styles with Math Menus*** Participants receive plans for math menus already aligned to the Common CORE standards and learn to create one of their own. Queen Ogbomo	G
E14	201	***Using the PARCC Blueprint for Leveled Learning*** PARCC documents are designed to help educators understand assessments more fully, allowing teachers to employ leveled learning and assessment for mathematics. Tammy Jones	3-5, M, H

SESSION EF (DOUBLE SESSIONS)
9:30-11:20 A.M.

Session	Room	Presentation	Grade Band(s)
EF01	109	***Positive, Practical, Proven: Classroom Management Strategies That Work!*** Learn research-based, proven techniques to eliminate repeated warnings, avoid power struggles and reclaim several hours a week of valuable teaching time. Katie Bigus	K-2, 3-5, M, H, P
EF02	216	***Growing ALL Students through Common CORE*** Design and implementation of Common CORE tasks in mixed ability classrooms so all students are engaged and learning. Tamela Box	M, H

SESSION F
10:30-11:20 A.M.

Session	Room	Presentation	Grade Band(s)
F01	308	***Share-Alike Group: Informal Networking and Discussion*** Target this hour: *Instructional Leaders and Math Educators*	C, G, P
F02	315	***CRA: The Why Behind the How*** Students know how to get the answer, but now they must know why the process used works. Preparing students for success on the CRA. Catheryn Long and Margaret Pagano	3-5
F03	305	***Teaching Geometry Through Literature and Games*** Children's literature and folder games are used to teach geometry with a focus on perimeter, area, and the Cartesian coordinate system. Tammi Terry and Rachelle Potter	3-5

Session	Room	Presentation	Grade Band(s)
F04	200	***Outstanding Math Guides for Grades 3-5*** Make a student reference containing graphic organizers with steps, examples and vocabulary for every key concept that will put a year's curriculum at their fingertips! Leslie Hilderbrand and Darby Jochum	3-5
F05	214	***Fractions are FUN: A Foundational Approach To Mathematical Practice and Content Standard*** Introducing fractional concepts at the concrete level in order to deepen conceptual knowledge, using assessing and advancing questions by problematizing and quick writes in the mathematics classroom. Martha Mason	3-5
F06	207	***Assessing Students' Number Sense and Numerical Reasoning*** Explore several ways to "actively engage" students in tasks designed to see numbers in flexible ways, and share rigorous and challenging activities. John Neral	3-5, M
F07			
F08	114	***Inspired Learning: The Interactive STEM Classroom*** The Inspired Learning Classroom provides a unique, fully integrated toolset for accomplishing STEM and CCSS initiatives, using proven technologies, and supporting TEAM requirements. Ron DeChristoforo	M, H, P
F09	120	***Making Connections with Graphs of Polar Curves*** Graphing polar curves in the rectangular plane simplifies traditional graphing methods and increases student understanding and connections. (Based on Lawes's article in *Mathematics Teacher*.) Sheila Horstman	H

Session	Room	Presentation	Grade Band(s)
F10	201	***Waiting is the Hardest Part: Amusement Park Math*** Is it worthwhile to wait in line for an amusement park ride? Why not use mathematical modeling to determine distance, rate, and time? Lorie McFee	H
F11	304	***CRA Assessments as Learning: Student Analysis of Student Work*** Engage in an instructional task focusing on student analysis of their peers' and their own work on CRAs. Tracey Beckendorf-Edou and Rachel Haun	1-2, 3-5, M, H
F12	300	***Balanced Assessment Integration for K-12 and Pre-Service Teachers*** Focus on the importance of designing and implementing a balanced assessment system and of assessment literacy under Common CORE and improving career and college readiness. Joe Wood and Jon Frye	K-2, 3-5, M, H, P
F13	202	***Best Practices for ELL Students = Best Practices for All!*** This session will address the Common CORE standards for mathematical practice highlighting best practices for all students. What works for the struggling ELL student also works for all students. Joseph Whinery, Julie Martin, and Carla Richards	K-2, 3-5, M, H
F14	317	***TI-84 for Dummies*** Tips that will help you teach your math or science students, from the author of *TI-84 for Dummies* himself. Jeff McCalla	M, H, C, P
F15	311	***Using Clickers in the Math Classroom*** Participants will learn about available clicker technology, discuss the philosophy of using a student response system in class, participate in a lesson that utilizes this technology, and walk away with the information needed to implement such a system in her classroom. Darin Clifft	G

11:30 A.M.-12:20 P.M.
Lunch and Local Affiliate Meetings

Pick up your boxed lunch in the Campus Center Dining Hall
And find your affiliate's designated room or area for an informal meeting.

SESSION G
12:30-1:20 P.M.

Session	Room	Presentation	Grade Band(s)
G01	308	***Share-Alike Group: Informal Networking and Discussion*** Target this hour: *Teachers of Elementary Grades*	K-5
G02	207	***Assessing Students' Knowledge of Ratio and Proportional Relationships*** The progressions between students' understanding of numerical relationships and how it applies to ratio and proportional relationships. John Neral	M
G03	315	***Assessment in the CCSS Middle School Classroom*** Learn to create assessments for the CCSS classroom that help prepare students not only for CRA but also for PARCC. Kelli DeMoville and Dynelle Rinkes	M
G04	200	***Outstanding Math Guides for Grades 6-10*** Make a student reference containing graphic organizers with steps, examples and vocabulary for every key concept that will put a year's curriculum at their fingertips! Leslie Hilderbrand and Darby Jochum	M, H

Session	Room	Presentation	Grade Band(s)
G05	300	***Real World Task: Starting a Pet Sitting Business*** Explore writing, solving, and graphing systems of linear inequalities through an exciting multi-day task (starting a pet sitting business) from the Mathematics Vision Project. Elizabeth Kirby	M, H
G06	120	***Making Connections with Graphs of Polar Curves*** Graphing polar curves in the rectangular plane simplifies traditional graphing methods and increases student understanding and connections. (Based on Jonathan Lawes's article in *Mathematics Teacher*.) Sheila Horstman	H
G07	306	***Absolute Value from Another Point of View*** Absolute value is not just an unsigned number. See how the Rule of 4 can give us a useful and illuminating perspective. Ann Indingaro	H
G08	216	***Never Again Ask Twice: Effective Class Management Strategies*** Eliminate multiple warnings, repeated requests, most low-level behavior problems. Research-based and field-tested over 40 years. Tim Shaffer	G
G09	304	***CRA Assessments as Learning: Student Analysis of Student Work*** Engage in an instructional task focusing on student analysis of their peers' and their own work on CRAs. Tracey Beckendorf-Edou and Rachel Haun	1-2, 3-5, M, H
G10	202	***Best Practices for ELL Students = Best Practices for All!*** This session will address the Common CORE standards for mathematical practice highlighting best practices for all students. What works for the struggling ELL student also works for all students. Joseph Whinery, Julie Martin, and Carla Richards	K-2, 3-5, M, H

Session	Room	Presentation	Grade Band(s)
G11	317	***Formative Assessment using the TI-Nspire*** Formative assessment strategies using the TI-Nspire Navigator in the classroom, from the author of *TI-Nspire for Dummies* himself. Jeff McCalla	M, H, C, P
G12	311	***Debriefing the 2013 AP Statistics Exam*** Led by an experienced reader, participants will discuss this year's AP Statistics exam, the most frequent student errors, and suggestions for improving student scores. Darin Clifft	H

SESSION GH (DOUBLE SESSION)
12:30-2:20 P.M.

Session	Room	Presentation	Grade Band(s)
GH01	305	***Real-World Math for Earth's Sake*** Creative hands-on activities that build awareness of our world while reinforcing skills in measurement, ratios, algebra and more. Free CD-ROM of activities! Cathy Meredith	3-5, M

SESSION H
1:30-2:20 P.M.

Session	Room	Presentation	Grade Band(s)
H01	308	***Share-Alike Group: Informal Networking and Discussion*** Topic: *"TMTA Conferences—Looking Back and Looking Ahead."*	G
H02	118	***Student Engagement Plus Common CORE in Middle School Math*** Two economically disadvantaged middle schools have found success using math stations, in-school labs, and afterschool math programs. Karen Jarratt and Misty Dobbs	3-5, M

Session	Room	Presentation	Grade Band(s)
H03			
H04	114	***Inspired Learning: The Interactive STEM Classroom*** The Inspired Learning Classroom provides a unique, fully integrated toolset for accomplishing STEM and CCSS initiatives, using proven technologies, and supporting TEAM requirements. Ron DeChristoforo	M, H, P
H05	304	***Common CORE: Transforming Low Level Tasks to High*** Learn to distinguish between low level and high level Algebra task and transform low to high, participating both as learners and as teachers. Melissa Haun	M, H
H06	300	***Real World Task: Starting a Pet Sitting Business*** Explore writing, solving, and graphing systems of linear inequalities through an exciting multi-day task (starting a pet sitting business) from the Mathematics Vision Project. Elizabeth Kirby	M, H
H07	306	***Absolute Value from Another Point of View*** Absolute value is not just an unsigned number. See how the Rule of 4 can give us a useful and illuminating perspective. Ann Indingaro	H
H08	311	***AP Statistics – What Proportion of the Beads are Red?*** Activities that I use to teach concepts will be presented. Also, I will discuss what I have learned from grading AP exams. Alice Carson	H

Session	Room	Presentation	Grade Band(s)
H09	216	***Never Again Ask Twice: Effective Class Management Strategies*** Eliminate multiple warnings, repeated requests, and most low-level behavior problems. Research-based and field-tested over 40 years. Tim Shaffer	G
H10	120	***Appropriate Humor in the Mathematics Classroom*** This audience-participation presentation will explore a variety of humorous examples and puns, emphasizing the role of humorous storytelling as a cultural and mnemonic device. Daryl Stephens and Meredith Anne Higgs	M, H, C, P, G
H11	315	***Brain-Based Research and Learning Common Core Math*** A discussion of how to revolutionize teaching and learning in today's classrooms using brain-based research and evidence-based strategies. Nina Kuhn	G

2:30-3:00 P.M.

SPECIAL GUEST: DAVID WILLIAMS
Wunderlich Auditorium, Campus Center

Come listen to and ask questions of the State's Math Coordinator.

3:00-3:30 P.M.

BUSINESS MEETING AND DOOR PRIZES
Wunderlich Auditorium, Campus Center

We'll do our best to keep the meeting upbeat and brief – essentials only!
There will be plenty of winners of door prizes.

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