The Association of Mathematics Teachers of New Jersey

8th Annual Special Education and Mathematics

Assessing the Common Core: Now What?

A Conference for ALL Grades K-12

Saint Peter's University

2641 John F. Kennedy Boulevard

Jersey City, NJ

Armory Parking lot address:

686 Montgomery Street

WEDNESDAY, JANUARY 6, 2016

SPU MacMahon Student Conference Center – located at 47 Glenwood Avenue

Breakfast, Registration Desk and Exhibits* ~ 8:00 a.m. – 9:00 a.m.

*** Exhibits will remain open throughout the day – 3rd Floor**

Featured Opening Session 9:00 a.m. – 10:00 a.m. – 6th Floor Skyroom

Reaching All Learners-Apple Technology for Special Needs

Presenter: **Dave Marra, Apple Senior Systems Engineer**

Grade Level	SESSION 1 ~ 10:15 a.m. – 11:15 a.m.
K-5	**Using Manipulatives to Teach Number Operations** Discover how manipulatives can be integrated to lead to success with the number operations. You'll walk away with ideas that can be implemented into your classroom immediately! ***Presenter: Kevin Dykema, Teacher-Matawan Middle School, Matawan, MI***
K-8	**Teaching Elementary Mathematics with the CCSS in Mind!** Participants will learn how leveled math center instruction is utilized as a pedagogical practice to deepen students' mathematical understanding of the Common Core State Standards. ***Presenters: Stephenie Tidwell, Plainfield School District K-5 Math Supervisor and the Plainfield Public Schools Teacher Team: Sarah Maslo, Jennifer Bordieri, Wanda Koch, Daniele Washington***
PK-5	**Your Interactive Board as an Independent Center** Create your own personalized curriculum-based self-checking activities and games for students using Activity Tool Kit 2.0 and the Activity Builder in SMART Notebook. ***Presenter: Shanna Sudderth, Consultant- Teach Me SMART, Rye Brook, NY***
K-12	**Documenting Student Progress with Digital Tools** This session will highlight how to use apps and web tools to collect student work samples and share progress on goals outlined in the IEP. ***Presenters: Kelly Spradlin, Program Coordinator of the Elementary Program and Sara Heintzelman, Lead Teacher -Centennial School of Lehigh University, Bethlehem, PA***
K-5	**Visualizing Math – Building Mental Math Fluency for Basic Facts** The workshop will share strategies and resources to incorporate visual math ideas to strengthen the link between concept development and the use of mathematical strategies in memorizing basic facts. ***Presenter: Geoffrey Mihalenko, Math Interventionist-Sayreville Public Schools***
6-12	**Specific Classroom Learning Strategies for Successful Students** This presentation will give educators specific classroom methods to utilize in all classrooms when delivering instruction. ***Presenter: Carrianne Kaplan, Building Supervisor- Tinton Falls Middle School, Tinton Falls, NJ***

Grade Level	SESSION 1 ~ 10:15 a.m. – ll:15 a.m.
K-12	**Just the TWO of us...** Participants will learn strategies about how to work collaboratively with a special education educator in an inclusion classroom. ***Presenter: Julie Norflus-Good, Director of the Master of Arts in Special Education- Ramapo College, Mahwah, NJ***
6-12	**Using Good Wrong Answers to Achieve Math Confidence and Success** Studying "good wrong answers" assists in identifying potential errors and leads to deeper comprehension, higher confidence and better grades while improving problem-solving skills. ***Presenter: Robin Schwartz, Adjunct Professor/Founder-College of Mt. St. Vincent/Math Confidence, Greater NYC area***
6-12	**Making a LMS (Learning Management System) Work for You!** You will learn ways of setting up a Learning Management System (Google Classroom, Canvas, Edmodo) to help your students utilize resources in the best possible way. ***Presenters: Scott Sirota, Math Teacher/Team Leader-Eric S. Smith Middle School, Ramsey, NJ***
6-12	**Just Let Me Survive Today: Math Classroom Management and Motivation** Learn how to motivate and manage your students so that they will enjoy class and improve their exam results through using "brain – based" study strategies as well as traditional techniques that include games, incentives, a structured system of rules, humor including "Math Dancing" (among much else). ***Presenter: Mark Richman, Teacher-Columbia High School, Maplewood, NJ***

GRAB AND GO LUNCH AVAILABLE FROM 11:30 a.m. – 1:30 p. m.

Grade Level	ABBREVIATED SESSION ~ 11:30 a.m. – 12:15 p.m.
3-5	**Using the Video Mosaic Collaborative Repository to Design Classroom Lessons** Learn how a group of teachers used an open-source video repository, the Video Mosaic Collaborative, to design lessons on fraction concepts. ***Presenter: Robert Sigley, Doctoral Student-Rutgers University, New Brunswick, NJ***
Grade Level	**SESSION 2 ~ 12:00 p.m. – 1:00 p.m.**
6-8	**Helping ALL Students Succeed with Algebra Concepts through the use of Manipulatives** Do your students struggle with algebraic concepts? Discover how manipulatives can be used to help your students understand algebraic concepts such as integer operations, solving equations, polynomial expressions, and graphing. ***Presenter: Kevin Dykema, Teacher-Matawan Middle School, Matawan, MI***
PK-8	**Incorporating Writing in Mathematics Instruction** Participants will explore instructional strategies for incorporating writing in mathematics instruction. Content and process will be explored. Bibliography of current research will also be provided. ***Presenter: Donna Lee Healy, Educational Consultant-Donna Lee Healy, LLC***
K-12	**Virtual Manipulatives and Tools for Meeting the Common Core Standards** This presentation will highlight web tools and apps that students and teachers can use to visually represent content. Leave with tools to capture student learning and monitor student progress. ***Presenter: Sara Heintzelman, Lead Teacher -Centennial School of Lehigh University, Bethlehem, PA***

Grade Level	SESSION 2 ~ 12:00 p.m. – 1:00 p.m.
3-8	**Help! I Don't Have the Time to CRAM All This In! (How to help students find success in the lessons and still not fall behind)** This session will provide helpful tips and lesson samples on how to differentiate instruction to assist each student with finding success in their learning. Teachers will make- and- take a standard aligned lesson with modifications. ***Presenter: Amy Miele, Sampson G. Smith School, Franklin Township Board of Education***
8-12	**Mathematics with Creative Designs on TI-Graphing Calculators (Note: Bring a Graphing Calculator -Any TI-series or Voyage-200)** Experience activities are unique and help students to understand concepts, predict results, and make connections between algebra and geometry. ***Presenter: Iftikhar Hussain, Teacher, University High School, Newark Public Schools, Newark, NJ***
3-5	**Real-Time Formative Instructional Tools for One Step Word Problems** Learn how the free web-based tool, Nearpod, can be used to help students solve word problems. Interactive Nearpod presentations allow students to highlight key words, identify an operation, create, & solve equations. It's a great formative assessment tool that can strengthen students' tech skills. ***Presenter: Kristin Bertolero, Doctoral Student- St. Peter's University, Jersey City, NJ***
Grade Level	**EXTENDED SESSION 1 ~ 12:00 p.m. – 1:15 p.m.**
3-5	**A Closer Look at Three Models for the Inclusion Classroom** This presentation shares three models for inclusion classroom instruction: one-to-one, in-class support, and team teaching with an academic support teacher. Teachers from three districts will share inclusion strategies that have worked for math instruction and other content. ***Presenters: Jennifer Jones and Cecilia Arias, Rutgers University CMSCE, Piscataway, NJ***
6-12	**Math- Review those Facts** Learn how to keep students engaged while reviewing their addition and/or multiplication facts. ***Presenter: Shanna Sudderth, Consultant- Teach Me SMART, Rye Brook, NY***
K-8	**Tools of the Trade- Resources Required for Designing and Creating Math Centers** Participants will learn how to design and create lessons based upon the practice of using center activities to reinforce and extend the CCSS. Teacher will research and identify quality resources (web/print based) that teach/reinforce the CCSS standards and the mathematical practices, as well as, create formative and summative assessments that resemble PARCC like questioning. ***Presenters: Stephenie Tidwell, Plainfield School District K-5 Math Supervisor and the Plainfield Public Schools Teacher Team: Sarah Maslo, Syreena Williams, Sarah Konzelman, Lindsay Cohen***
Grade Level	**EXTENDED SESSION 2 ~ 12:00 p.m. – 1:30 p.m.**
6-12	**Making Algebra Child's Play** Learn how a visual and kinesthetic approach to learning algebraic concepts enables students to grasp "sophisticated" looking concepts while enhancing their self-esteem and interest in mathematics. Each participant will receive a student set of Hands-On Equations. ***Presenter: Mary Geschel, Consultant-Borenson & Associates, Inc., Allentown, PA***
6-8	**Algebra Tiles: The Bridge between Algebraic Representations and Mathematical Fluency** The PARCC Assessments require students to connect algebraic representations. Algebra Tiles are a useful tool to help students create their own conceptual and procedural knowledge while developing mathematical fluency. Hands-on materials will be shared that elicit evidence of student understanding and build confidence ***Presenters: Tom Beatini, Consultant and Kelli Cameron, Union City Public Schools, Union City, NJ***

K-12	**Problems From *The Mathematics Teacher* - Articulating The Standards For Mathematical Practice** It is essential that the Eight Standards for Mathematical Practice are incorporated in rich problem solving activities. This hands-on workshop will engage participants in solving dynamic calendar problems from *The Mathematics Teacher*; incorporating many of the standards throughout the K-12 curriculum as suggested in the Common Core document. ***Presenter: Jay Schiffman- Professor, Rowan University, Glassboro, NJ***
Grade Level	**SESSION 3 ~ 1:30 p.m. – 2:30 p.m.**
PK-5	**Place Value with Teddy Ten and His Friends** A unique interactive way to teach place value: "Teddy Ten" is a beanie baby bear! He has a Grandfather "Humble Hundred" that Teddy Tens fits into ten times! Not to be forgotten, "Only One" Bear and "Tiny Tenth" Bear. Come meet them all and join in the math fun! ***Presenter: Beth Benjamin, Elementary Mathematics Coach-Franklin Township Public Schools***
ALL	**Get Your Community Involved in Your STE(A)M Program** Staff at Hunterdon Central worked to build connections between the STEM curricula and the professionals that work and live within the district. Hear about the steps HC took to build a Community Consortium that is facilitating classroom presentations, internships, curriculum development and more**.** ***Presenter: Edward Brandt, Sup. of Math-Hunterdon Central Regional High School, Flemington, NJ***
6-12	**Building Innovative and Engaging Formative Assessments with Technology** Given the nature of the PARCC assessments, this session will explore how to build and use innovative and engaging formative assessments with technology to monitor student progress daily and better prepare them for the PARCC assessment. ***Presenter: Eric Milou, Professor-Rowan University, Glassboro, NJ***
3-8	**Tisk, Tisk Task!** Increase student confidence in completing mathematical tasks and problem solving. Learn how to incorporate the mathematical practices as students apply the mathematical constructs, self-assess and collaborate during problem solving. ***Presenter: Amy Miele, Sampson G. Smith School, Franklin Township Board of Education***
PK-5	**Developing Number Sense to Empower Students to Become Better Mathematicians** Explore the standards addressing Number Sense through games, use of manipulatives and activities. Find out how to help your students use rich language to construct arguments (SMP3) and use tools in their exploration of number sense (SMP 5). ***Presenters: Jean Caper, Differentiation Specialist and Anne Sommers, University of Chicago, Chicago, IL***
6-12	**Algebra as an Experimental Science** Learn how to use graphing software to help students visualize classes of functions in Algebra 1 and Algebra 2. View samples of online lessons that incorporate graphing software to help differentiate lessons for students with widely varying ability levels. ***Presenter: Deborah Rebhuhn, Mathematics Teachers, Somerset, NJ***
K-12	**The Practical Uses of Logarithmic and Exponential Functions (Note: Bring a Graphing Calculator (Any TI-series or Voyage-200)** Teachers can remove the mystery of complicated problems for many students by modeling real life problems and illustrating techniques of using logarithms and exponents to explain and solve these problems. ***Presenters: Ahmed Salama, Mathematics Teacher-Panther Academy, Paterson, NJ and Greg Festa-Paterson Public Schools***
K-12	**Maps, Math, and Media: Transdisciplinary and Transformative Projects** This session explores the role of the Global Positioning System (GPS) and Social Interaction Software (SIS) in math education. Learn creative strategies and possibilities for integrating GPS and SIS technologies into the K20 curriculum with limited resources. View transdisciplinary activities that integrated Maps, Math and Media as I showcase participants' projects/ digital stories as a gallery walk. ***Presenter: Melda Yildiz, Walden University***

Grade Level	EXTENDED SESSION 3 ~ 1:30 p.m. – 2:45p.m.
6-12	**Common Core State Standards of Mathematics with Visual Math** Mathematics becomes interesting and meaningful if its concepts are delivered in the easiest possible way. One such approach is the Visual Math. By learning visually, students can gain a deeper understanding of mathematical concepts of any grade level all the while staying focused and motivated. PARCC practice questions based on the CCSS of Algebra and Geometry will be presented as a dynamic approach. The classroom ready demonstrations, helping students in the learning process, will be made available to the participants! ***Presenter: Iftikhar Hussain, Teacher-University High School, Newark Public Schools, Newark, NJ***
3-8	**Use the Math Practice Standards to Build a Growth Mindset in Math** Empower students to become "math people." Students with special needs often need encouragement and support to build a growth mindset in math. Use the CCSS for Mathematical Practice to promote thinking, build confidence, meet math goals, and increase rigor. Practical approaches to instruction will include strategies, assessment, student self-reflection, and more! ***Presenters: Michelle Hawley, Instructional Facilitator and Nicole Palumbo, Instructional Facilitator-Summit Public Schools***

CLOSING SESSION ~ 2:45 p.m. – 3:00 p.m.

6th Floor Conference Center Skyroom

"Your Input is Valued!"

DOOR PRIZES!

Professional Development Certificates (6.5 hours)

VISIT OUR VENDORS THROUGHOUT THE DAY

On-site Parking Garage with Shuttle Bus service to campus and easy access to Public Transportation!

Visit **www.amtnj.org** for online registration.
A paper registration form is attached.

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Tuesday, February 9, 2016

The National Conference Center at the Holiday Inn, East Windsor, NJ