

2008 NCTM Regional Conference & Exposition Conference-At-A-Glance

Reno, November 6-7, 2008



- Indicates a session or workshop identified to be part of NCTM's Focus of the Year, *Equity: All Means ALL*.



- Indicates a session that is part of the Learn↔Reflect strand.

General Interest Thursday

<p>Dave Barnes New and Preservice Teachers' Gallery Workshop (Gallery Workshop)</p>	<p>Maria Dufek Engaging your Students in High-Quality Data Analysis</p>	<p>Gae Johnson What Do You Mean Some People Subtract in a Different Way?</p>
<p>Gae Johnson Program Overview and First Timer's Orientation</p>	<p>Henry S. Kepner, Jr. Students' Mathematical Reasoning throughout the <i>Focal Points</i> and Beyond</p>	<p>Latrenda Knighten Ricci Slobodnik Teruni Lamberg Thelma Davis Learn↔Reflect Reflection Session LOR</p>
<p>Miriam Leiva Success for All Learners, including English Language Learners (ELLs), by Addressing Differences LOR</p>	<p>Nathan Levy Practical Ideas for Improving the Teaching of Math and Critical Thinking in the Classroom</p>	<p>Nathan Levy Using Stories with Holes to Enhance Math Thinking</p>
<p>Vena M. Long The Days of Whine and Roses: Teaching Mathematics in the Twenty-first Century</p>	<p>Hubert J. Ludwig Mathematics in Contemporary Culture: The Comic Strips</p>	<p>Hubert J. Ludwig Pi: From Measuring Fields to Fractals</p>
<p>David M. Schwartz Putting the "Wonder" Back in "Wonderful": Math Happens When Children Wonder about What They Read</p>		



General Interest Friday

<p>Rita Barger A Framework for Remediating</p>	<p>Dave Barnes New and Preservice Teachers' Gallery Workshop (Gallery Workshop)</p>	<p>Carryn Bellomo Mathematics Disabilities in the Classroom</p>
<p>Arthur Benjamin Mathamagics!</p>	<p>Arthur Benjamin Secrets of Mental Math</p>	<p>Edward Burger How <i>Not</i> to Teach Mathematics: Enticing Students Through Discovery</p>

Pre-K-2 Friday


<p>Paige M. Addington Family Math Nights: Our Students' First Teachers (Parents) Want to Have Fun with Math, Too! (Gallery Workshop)</p>	<p>Lora A. Bailey Engaging Young Children in Authentic, Constructivist-Based Learning Experiences across the Curriculum</p>	<p>Anglea K. Brunzell Using Manipulatives in a Grades K-2 Classroom: Make-and-Take Montessori Math Manipulatives (Gallery Workshop)</p>
<p>Ellen C. Grace Math-Literature Explorations: From Picture Books to Problem Solving (Gallery Workshop)</p>	<p>Nicole Hamilton Literature Connections to Mathematics (Gallery Workshop)</p>	<p>Calvin J. Irons Building Links between Addition and Subtraction: Concepts and Number Facts</p>
<p>Latrenda Knighten Goldilocks, The Three Bears, and Friends: Using Children's Literature to Teach Mathematics (Gallery Workshop)</p>	<p>Stefani M. Kulhanek Developing Place-Value Concepts (Gallery Workshop)</p>	<p>Thomas J. Lester Ideas on Teaching "Basic Facts," Algorithms with Understanding and other Math Concepts</p>
<p>Janet D. Vela Developing Addition and Subtraction Concepts (Gallery Workshop)</p>	<p>Wendy A. York Relational Thinking - Transitional Success</p>	<p>Wendy A. York Making Math Make Sense (Gallery Workshop)</p>

Pre-K-5 Thursday


<p>Frank D. D'Angelo Effective Math Coaching Models</p>	<p>Thelma Davis The CAPSUKes Project: Valuing and Respecting the Work of Teaching and Learning </p>	<p>Jos'e Marcelina Franco Science and Math in the Spanish-Language Media </p>
<p>Roseanna Chavez Gonzales Building Children's Number Sense through a Differentiated-Center Approach</p>	<p>Donna L. Knoell Helping Young Children Develop Essential Mathematical Concepts and Critical Thinking Skills (Gallery Workshop)</p>	<p>Darlene Kusick Four "Sum" Great Achievement "Count-On" Math for Success (Gallery Workshop)</p>
<p>Vicki Ross Learning about Geometry in the Primary Grades: Some Great Lesson Ideas (Gallery Workshop)</p>	<p>Kay Smitherman Math Songs Sing-Along: Musical Lessons Sung to Well-Known Tunes</p>	<p>Leah Bryan Wilson Creating Effective Math Centers (Gallery Workshop)</p>
<p>Donnalyn Yates Memorize Multiplication/Division and Addition/Subtraction Facts? Math Vocabulary? the Fast, Fun, and Easy Way (Gallery Workshop)</p>		

Pre-K-5 Friday

Brenda B. Barrow	Tanya Braybrook	Shirley Bradsby
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Melodies, Methods, and Models That Make Math Marvelous and Meaningful (Gallery Workshop)	Assessment for Learning in an Elementary School Math Classroom (Gallery Workshop)	Math Activities for the Special Student in the Regular Classroom (Gallery Workshop) 
Shelly Moses Outsmarting Your SMART Board™: Combining Interactive High-Tech and Low-Tech Solutions		



Pre-K-8 Thursday

Nancy Jean Hameloth Connecting Brain Research to Mathematics Grades K-8 (Gallery Workshop)	Donna L. Knoell Helping Students Learn to Read and Solve Mathematical Word Problems	Carolyn M. Moore No Conceptualization without Representation: A Cry for Equity (Gallery Workshop) 
Dawn A. Robinson Using International Strategies for Problem Solving	Karen Simmons Make-'N-Take Math "Rocks around the Clock" with the Bag Ladies (Gallery Workshop)	Patricia Smith Practical Tips to Help School-Based Coaches and Specialists Be Effective Catalysts for Change

Pre-K-8 Friday

Cindy Guinn Make-'N-Take Math "Rocks around the Clock" with the Bag Ladies (Gallery Workshop)	John Moritz Spiral Your Review! Gallery Workshop Approach to Math Instruction	Amy Rushall Connecting Conceptual Understanding to Procedural Knowledge through Modeling (Gallery Workshop)
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Grades 3-5 Thursday



Nancy Anderson Making Algebra Child's Play™ in Grades 3-5 (Gallery Workshop)	Don S. Balka Mini-Geofix Activities: Geometry, Algebra, and Measurement (Gallery Workshop)	Linda Boland Equity: Engaging All Students in Learning Mathematics (Gallery Workshop) 
Leigh Childs Engaging Intervention Activities + Effective Instructional Strategies = Student's Success (Gallery Workshop)	Marcy Cook Involve All Students in Algebraic and Logical Thinking with Practical, Hands-On Activities	Staci Janeen McDaniel Get Centered! Using Centers to Enhance Classroom Instruction (Gallery Workshop)
Sarah C. McNeil The Role of Games in Inquiry-Based Mathematics 	Danny A. Rothbard Game Shows from <i>Square One T.V.</i> as Assessment Tools in the Mathematics Classroom (Gallery Workshop)	Kristian B. Ryerson Mental Math and Algorithms

<p>Tina Rye Sloan Differentiated Math Instruction in Grades 3-5 (Gallery Workshop)</p>		
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Grades 3–5 *Friday*

<p>Sandra L. Atkins Creating Ahas! Using Objects, Pictures, Strategies, and Symbols to Build Computational Fluency for All (Gallery Workshop)</p>	<p>Bill Buckreis Playing with Mathematics: It's More than Just Games (Gallery Workshop)</p>	<p>Marilyn Sue Ford Diversify Instruction by Connecting Mathematics and the Arts (Gallery Workshop)</p>
<p>Char Forsten The Problem with Word Problems Begins with the Words! (Gallery Workshop)</p>	<p>Kristin Herren Mental Math Computation Tricks</p>	<p>Carol Inzerillo So, That's the Way the Ball Bounces: An Investigation (Gallery workshop)</p>
<p>Heidi Pagni Unusual Areas</p>	<p>Nickie Rizzo A Context for Data: You!</p>	<p>Charles Sonenshein Making Memories in the Math Classroom</p>
<p>Steven Street Extending Mathematics into Everyday Life</p>		

Grades 3–8 *Thursday*

<p>Barbara Asteak First in Math: Proven, Scientifically Based Study to Improve Skills</p>	<p>David John Brancamp The Keys to Opening Content Reading in the Math Classroom</p>	<p>Linda Cardwell Fractions: No Fear</p>
<p>Joanne Currah All Decked Out: Building a Successful Math Games Program (Gallery Workshop)</p>	<p>Karen Isola Green Using Circles to Increase Student's Basic Understanding of Common Geometric Shapes and Fraction Concepts (Gallery Workshop)</p>	<p>Lisa Marie Hall Math-Magical Arithmetricks</p>
<p>John H. Lamb Patterns of Our World: Activities to Help Guide Students' Understanding (Gallery Workshop)</p>	<p>Kelly Colleen O'Rourke All Students Can Problem Solve Using Problems of the Week </p>	<p>Patricia A. Pason Fractions: From Concepts to Algorithms Using Manipulatives (Gallery Workshop)</p>
<p>Joseph Sencibaugh Differentiating Mathematics Instruction for Students with Diverse Learning Needs in Inclusive Settings </p>	<p>Ann Elizabeth Stipek An Introduction to Singapore Mathematics (Gallery Workshop)</p>	<p>Andrew Martin White Word-Problem Strategies: Which One to Use? (Gallery Workshop)</p>
<p>Betty Wilson Give Your Students More Aha Moments!</p>	<p>Heather A. Coughlin Word Problem? No Problem!</p>	

Grades 3–8 *Friday*

<p>Barbara Asteak Mental Math Mastery</p>	<p>Paula Farrenkopf Using Tangrams to Reinforce Concepts of Fractions, Decimals, and Percents (Gallery Workshop)</p>	<p>Kathleen Jalalpour Using Singapore Math in U.S. Schools: How Does It Work? (Gallery Workshop)</p>
<p>Teruni Lamberg Meeting Mathematical Needs of Diverse Learners through Effective Whole-Class Discussions</p>	<p>Michael Logan Using Energy as a Thematic Context for Middle School Math Instruction</p>	<p>Kristen Mjoseh Bringing Math to Life: Using Project-Based Learning in Your Class</p>
<p>Gerald C. Murphy Can You Dig It? (Gallery Workshop)</p>	<p>Rudy Neufeld Now I Understand It! Intervention Strategies to Engage Learners in Fractions, Measurement, and Algebraic Thinking</p>	<p>Norma A. Noguera Creative Geometry in Elementary and Middle Grades</p>
<p>Kelly Colleen O'Rourke All Students Can Problem Solve Using Problems of the Week</p>	<p>Robert J. Quinn Implications and Impact of the Northeastern Nevada Mathematics Project</p>	<p>Allison Riddle Double Dare You: Elementary Probability Games (Gallery Workshop)</p>
<p>Polina Dina Sabinin Observe, Construct, and Imagine: Getting Ready for Algebra</p>	<p>Janet (Jan) K. Scheer Turned-On Kids Don't Tune Out!</p>	<p>Patrick Vennebush Using NCTM Online Resources in Your Classroom (Gallery Workshop)</p>
<p>Marc Zev Developing Critical-Thinking Skills through Knowledge Organization and Reasoning Enhancement</p>		

Grades 3–12 *Thursday*

<p>Edward J. Kennedy Orienteering: Compass, Work, Measurement, Graphing, and Geometry (Gallery Workshop)</p>	<p>David Shuster Using Computer-Based Simulations to Catalyze Research-Based Middle School Math Instruction</p>	<p>William R. Speer Connecting Concepts Across the Grades</p>
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Grades 3–12 *Friday*

<p>Thomas Miles Bjorkman Structured Collaborative Instructional Planning</p>	<p>Mark D. Oursland Content Reading Strategies for the Mathematics Classroom: CRAFTing Literacy</p>	
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Grades 6–8 *Thursday*

<p>Harold Asturias Effective Strategies for Teaching Mathematics Content to English Learners </p>	<p>Lonnie A. Bellman Foundations for Algebra: The College Preparatory Mathematics (CPM) Middle School Program (Gallery Workshop)</p>	<p>Sarah Crose Middle Level Mathematics and Real-World Engineering Problems (Gallery Workshop)</p>
<p>Mark Evans You're Not in Math Class Any More! Integrating Math across the Curriculum (Gallery Workshop)</p>	<p>Perry Gelakis Make It Real! Strategies to Engage Students Working with Information</p>	<p>Bridget B. Guenthner Algebra in the Physical Sense (Gallery Workshop)</p>
<p>Basia Hall Summarizing Data with Common Cent\$ (Gallery Workshop)</p>	<p>William A. Jasper Enhancing Academic Language Development in Mathematics Classes </p>	<p>Leland W. Knauf Nonroutine Problem Solving on a Geoboard</p>
<p>Teruni Lamberg Model for Teaching the Multiplication and Division of Fractions</p>	<p>Betty Milne Making Math More Meaningful (Gallery Workshop)</p>	<p>Mary Beth Runyon Make It Relevant, Make It Fun, Make It Count (Gallery Workshop) </p>
<p>Joe C. Smitherman Everybody Sings! Everybody Participates! Math Song Sing-Along, Grades 5-10</p>	<p>Scott Stekete Sketchpad[®] Activities Raise Understanding and Scores in Grades 6-8 (Bring a laptop) (Gallery Workshop)</p>	<p>Hariette S. Stevens Bridging Professional Development: From Content Knowledge to Practice</p>
<p>Viji K. Sundar Insights into Fractions and Geometric Concepts Using Geoboard and Paper Folding </p>	<p>Frank Wang A Mathematical Roadtrip: Exploring the New and Revisiting the Familiar (Gallery Workshop) </p>	

Grades 6–8 *Friday*

<p>Tony Filicchia TI Navigator™ in the Middle School: If I Can Do It, Anyone Can (Gallery Workshop)</p>	<p>Shannon Guerrero Patterns, Relations, and Functions, Oh My! (Gallery Workshop)</p>	<p>Tracey Keck Connecting Students' Engagement and Math Identity to Mathematics Learning</p>
<p>Bob McDonald A Professional Learning Community and Lesson Study Group Focused on English Language Learners (Gallery Workshop) </p>	<p>Brenda J. Morgan Using Literature and Technology to Open Doors to "Aha" Moments for Students in Diverse Classrooms (Gallery Workshop)</p>	<p>Satoru Semitsu Fun and Easy Ways to Teach the Pythagorean Theorem (Gallery Workshop)</p>
<p>Keith P. Smith Collaboration through Common Plans, Assessment, and Progress Monitoring</p>	<p>Charles Sonenshein You Don't Have to Be a Magician: But It Helps!</p>	<p>Lynn E. Trell Build It, Fold It, Graph It, Solve It (Gallery Workshop)</p>
<p>Jacqui Veal Ring Master or Teacher? Engagement, Learning, and Equity, No Circus Required (Gallery Workshop) </p>	<p>Stephanie Whitney Using Tiles and Games to Teach Algebra (Gallery Workshop)</p>	<p>Sally Wood Math Activity Nights for Families (Gallery Workshop) </p>



Grades 6–12 *Thursday*



<p>Valerie C. Braimah Insight Math: Tools for Students' Engagement (Gallery Workshop)</p>	<p>Linda Faulk Taking Stock of Algebra Using the Stock Market</p>	<p>Tracy Frank Using Team Roles to Create Effective Study Teams</p>
<p>Kim Gardner I See, I Do, I Understand Math</p>	<p>Robert Greer Patterns in Linear Functions (Gallery Workshop)</p>	<p>Virginia Head Algebra Connections: Functions Strand (Gallery Workshop)</p>
<p>Judy Hicks Come Get Inspired with TI-Nspire™! (Gallery Workshop)</p>	<p>Robert Paul Janosko Algebra as a Life Skill: Making Mathematics Make Sense</p>	<p>Hsuehi (Martin) Lo Different Ways to Teach Middle School Mathematics: An Asian Mathematics Teacher in the U.S. Mathematics Classroom</p>
<p>James M. Rubillo Can You Put a Lid on That? Exploring Limits in the Regular Classroom</p>	<p>Ricci Slobodnik Vertical Teaming in Action: A Review of the Southern Nevada Vertical Team</p>	<p>Michael Keith Vogler The Mathematics of Accident Reconstruction (Gallery Workshop)</p>
<p>Sara-Lynn Zuckerman Using NCTM Online Resources to Enhance Your Classroom (Gallery Workshop)</p>		

Grades 6–12 *Friday*

<p>Don S. Balka Games and Activities for Prealgebra and Algebra (Gallery Workshop)</p>	<p>Larry D. Bradsby Helping Teachers Reach the "Tough to Teach" in Algebra (Gallery Workshop)</p>	<p>George Bright Comparing Levels of Sophistication for Proportional Reasoning Problems</p>
<p>Donna M. Davis Enhance the Algebra Strand with Performance Tasks (Gallery Workshop)</p>	<p>Robert Greer Discovering Patterns that Lead to an Understanding of Quadratic Functions</p>	<p>Virginia Head Making Secondary School Mathematics More Visual: Using Algebra Tiles from Integers to Factoring (Gallery Workshop)</p>
<p>Chris Mikles Using Manipulatives and Investigations to Teach Geometry (Gallery Workshop)</p>	<p>Deobra L. Solomon An Introduction to TI-Navigator™: Engaging Students in Mathematics</p>	

Grades 9–12 *Thursday*

<p>Bruce D. Armbrust Mathematics Can Be Fun? Prove It! </p>	<p>Abraham Ayebo Strategies for Teaching Mathematics to Gifted and Talented Students </p>	<p>Rita Barger Using Brain Teasers to Develop Critical Thinking</p>
<p>Jerry J. Cummins</p>	<p>Brian Evans</p>	<p>Darlene Jeanette Follins</p>

A Dream Come True: Technology That Connects Algebra and Geometry (Gallery Workshop)	Math through Democracy? An Unexpected Mathematics Result to Use in the Classroom	Teaching Math in a Virtual Setting (Gallery Workshop) 
Kay D. Haralson Dyscalculia: The Misunderstood Learning Disorder 	Jessica J. Kachur NSpire your Class: Getting the Most Out of the TI-Nspire™ (Gallery Workshop)	Gary Kubina Hands-On, Minds-On Geometry (Gallery Workshop)
Claudia Denson Maness Activities That Reinforce Algebraic Concepts (Gallery Workshop)	Kathleen Cage Mittag The Amazing Tennis Ball Activity (Gallery Workshop)	Mary Ann Nelson Oral Assessments: Improve Grades and Retention
Tim Sanders Power Questions as an Inquiry Learning Tool (Gallery Workshop)	Philip Todd From String Art to Light Caustics: Envelope Curves for Fun and (Mathematical) Profit	Stephanie Whitney Functions as a Unifying Theme in Algebra 2 (Gallery Workshop)
Lynda R. Wiest Exploring Cross Sections of Geometric Solids		

Grades 9–12 *Friday*

Katherine Allard TI-Nspire™ Changes the Way We Teach and the Way Students Learn! (Gallery Workshop)	Bix Beeman Considerations on the Area of Areas, from Standards to Reality	Michael D. Bice Applying Algebra and Calculus in Industry
Martin Paul Cohen Problems and Projects in the Algebra Classroom	Gloria S. Dion A Look at the New NAEP Mathematics Assessment for Grade 12 in 2009	Michael D. Dornoo Teaching Exponential Growth Using the Geometer's Sketchpad® (Gallery Workshop)
Lissa Draper-Bzinak Introducing the TI-89 Prior to Calculus is a Sure Bet for Future Success! (Gallery Workshop)	Roger Gemberling Nontraditional Geometry Topics with Dynamic Extensions (Gallery Workshop)	Amy F. Gersbach Projects and Precalculus: Perfect Together! (Gallery Workshop)
Diana L. Herrington Literacy in the Math Classroom (Gallery Workshop)	Jennifer C. Hilton If We Couldn't Laugh, We Would All Go Insane	James William Kearns Incorporating Technology into the Algebra Curriculum (Gallery Workshop)
Paul Kennedy Discovery Learning or Direct Teaching? Where is the Balance?	Paul L. Myers Enhancing AP Statistics with Activities and Technology (Gallery Workshop)	John Robert Perrin The Power of Investigative Calculus Projects
James G. Schierer Bring Geometrical Theorems to Life with the TI-Nspire™ (Gallery Workshop)	Richard Smith Integrate Probability into your Geometry Classroom!	Scott Steketee Do the Wave: Trigonometry Comes Alive with Sketchpad®
Charlotte Sukta	Betty Travis	Paul J. Weisse

"It's Real!" Seniors Exclaim	Generalizing Pascal's Triangle	Activities and Strategies to Reach the lower 50% of High School Math Students (Gallery Workshop)
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Higher Education, Teachers of Teachers, Research *Thursday*

Chryste Berda Divide and Conquer! (Gallery Workshop)	Linda M. Braatz-Brown I Strive, I Succeed: Bringing Middle School, Undergraduate Students, School, and Community Together	Cathy Brown Inspiring Students to Be Problem Solvers (Gallery Workshop)
Pamela Cornwell Helping Students Who Are Several Grade Levels Behind to Fill Their Gaps	Jane Felling Shuffling into Math: Primary School Math Games (Gallery Workshop)	Francis (Skip) Fennell Number Sense and the National Math Panel: Crucial Foundations for Mathematics Learning
Lisa Friedberg <i>Oh My Gosh! I Really Get It!</i> Understanding Math with Highly Interactive Software (Gallery Workshop)	Gae Johnson What Do You Mean, Some People Subtract in a Different Way?	David Kapolka Bring Mathematics Alive with Scientific Data and Dynamical Software (Gallery Workshop)
Jerald Murphy Algebra Activities and Strategies to Engage Kids	Rudy Neufeld I Got It! Intervention Strategies to Engage Learners to Understand Whole Numbers and Fractions	Gorjana Popovic The Effects of Geometer's Sketchpad® Software on Students' Understanding of Concepts Related to Circles
Robert J. Quinn Explore, Conjecture, Connect, Prove: The Versatility of a Rich Geometry Problem	Stewart Saphier Probable or Possible	Scott Steketee Visualizing the Mathematics of Change: Calculus Activities with Sketchpad®

Higher Education, Teachers of Teachers, Researchers *Friday*

Pierre Bierre Algorithmic Geometry	Tracy Frank Using Effective Study Teams in the Math Classroom (Gallery Workshop)	Jason Gershman <i>Deal or No Deal: Fair or Not Fair?</i> (Gallery Workshop)
Bill Hanlon Algebra: Your Students Can Do It!	Gail Marei Nord Ptolemy's Theorem	Vishakha Parvarte Again and Again: Understanding Periodic Functions Using Fathom™ Dynamic Data Software
Patricia Rogers Listen While Your Middle School Students <i>Talk!</i> about Math!	Lynae Sakshaug Learning and Engaging in Doing Mathematics in an Online Environment	Mohamad Khosrow Tadayon Kicking a Soccer Ball: Math Stations in Differentiated Instruction
Roozbeh Vakil	Michelle Vander Veldt	Melanie Renee Wenrick

Team Teaching a Methods
Course in Mathematics

Building a System of Tens
(Gallery Workshop)

Splish Splash! Dive into
Data Analysis Using WET
Project Activities
(Gallery Workshop)