

# 2016 Annual CCTM Conference Friday September 23 *At A Glance*

## Math Topic Strands:

Stem    Lessons and activities    **Special Populations**    Todos    Coaching  
**Growth Mindset**    Effect Teaching practices    Assessment    **SMP**

Room	7:15 - 7:45	Session 1 8:00am - 9:00am	9:15- 10:30	Session 2 10:45am - 11:45am
F32	<b>Conference Overview For New Attendees 7:15 - 7:45am Jumpstart your Twitter 7:40-7:50am</b>	Purposeful Presentation of Student Work	<b>Keynote Speaker: Rochelle Gutierrez</b>	STEM Behind Healthcare
F37		Supporting ELs' Problem Solving and Understanding		Keynote follow-up with Rochelle Gutierrez
F49		Arguing for Mathematicians!		Building Math Problem-Solving Community: Math Teachers' Circle
G32		Teaching About Population and the Environment with Mathematical Models		Mathematics Lesson Plan Development by Elementary Preservice Teachers
G33		Increasing Student Engagement Through Problem Solving		Building Discourse to Foster Equity and Rigor in Mathematics
G40		Number Talks: They Make Sense		Exploring quadratics, sinusoidals, and exponentials with technology
G41		Questioning to Learn		<b>Building Academic Language in Math</b>
G49		Using Characteristics of Word Problems to Identify Structure		Point, Click, Learn: Using Virtual Manipulatives to Enhance Mathematics Instruction
H32		Mathematical Modeling Meets Linear Difference Equations		Non-Rigid Thinking with Rigid Motion Transformations
H33		Posing Meaningful Problems that Encourage Mathematical Arguments		<b>Growth Mindset: Building a Solid Foundation</b>
H38		Simple Strategies for Embedding Math Practices into Daily Lessons		Exploring Standard for Mathematical Practice # 6
H41		Using Mathematical Tasks to Develop Mathematical Practices and Understandings		Math Pathways Project
H44		Encourage Productive Exploration with Interactive Simulations		Engaging K-5 in the Standards for Mathematical Practice through Literature
H49		Coaching Conversations That Change Instruction		Gafe In The Math Classroom
H50		Mindfulness In Mathematics		Understanding Fluency in the CCSS and Strategies to Develop and Assess It
J32		TACTivities to Promote Active Learning in the Pre-Calculus Classroom		Don't Underestimate These Kids! (6 - 8)
J33		Euclidean Transformations: It Really is Movement		How can we address social injustices with mathematics?

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J38	Pre-service elementary teachers' reasoning with statistics and probability	Model-Eliciting Activities Elicit Math Excellence
J39	Students + Instruction = Greater Learning	Breakout of Your Test Review Rut
J44	Calculating All Possibilities	Alternative Method to Solving Simple Equations
J45	Problem Based Learning and Three Act Math	Fraction Numeracy: Developing Conceptual Understanding Through Models
J50	Fact Fluency and Families	Be Precise: Tools for Addition and Subtraction
J51	Fractions in Action!	Investigating Function with a Ferris Wheel

Lunch and BLAST! Session		
11:45am-12:30pm	Room	Session 3 12:30pm - 1:00pm
<b>Lunch/ Table Talk</b>	G32	Using Technology to Engaging Students: Exploratory Experiences
	G33	Investigating How to Make Sense of Mathematics
	G40	Wrapping a Present is more than Total Surface Area
	H32	Using Reports in Unity by Forefront Math
	H33	Performance Task Questions
	H41	A Picture + Technology = Understanding x 10
	H44	Interventions with Principals!
	H49	Using Algebra Tiles to Factor
	J32	The MVP's of Math Talk in the Math Classroom
	J33	Playing With Numbers
	J38	Pictures are Worth Thousands of Words, Simulations are Worth Millions!
	J39	National Council of Supervisors of Mathematics (NCSM)
	J45	Growth Mindset in a Blended Learning Environment for Math Intervention

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Room	Session 4 1:15pm - 2:15pm	Session 5 2:30pm - 3:30pm	Closing 3:45p - 4:30p
F37	Student voices-Let them be heard	Problem Strings: A Lesson Format for All Students	Ignite Sessions, CDE Overview, Door Prizes- Reception Hall
F49	Family Math Night	Math Talk	
G32	Practical Formative Assessment in the Classroom	Using Simulations to Engage 7th -10th Graders in Statistics	
G33	Small Group Intervention		
G40	Giving Students the Answer Increases Thinking and Rigor	Conflict to Collaboration- Demystifying Professional Strife	
G41	A New Look at Resources - How Design Thinking Changed our Perspective.	<b>Technology for Math Remediation and Student Ownership of Learning</b>	
G49	Warm Up Routines: Developing Mindset While Enhancing Math Understanding	Empower Your Students with Mathematics	
H32	International perspectives on teaching mathematics to special needs students	Who's Learning? Lessons We've Learned About Ourselves With Interview-Based Assessments	
H33	Hacking Science into Math Class	Analyze Key Features of the PSAT and SAT and Connections with CCSS	
H38	<b>Growth Mindset and the Value of Mistakes in Learning</b>	Engagement Through Discourse	
H41	Something Worth Fighting For: SMP 3	Equity and Excellence: Understanding Ratios and Proportional Reasoning	
H44	Pushing Advanced 6-8 Graders with a SMP Rubric	My 35 Favorite TI-Nspire Files For Teaching Calculus	
H49	Rigor in Math: It Doesn't Mean Harder	Mathematical Coherence - a Planning Tool	
H50	Productive Strategies for Engaging Students in Productive Struggle	<b>Strategies for Developing Growth Mindset in Mathematics</b>	
J32	Don't Underestimate These Kids! (K - 5)	Whole Brain Teaching: Changing Instruction to Change Behavior	
J33	Active Listening in the Math Classroom	Begin with the End in Mind to Deepen Student Understanding	
J38	Improving Our Teaching Practice: Student Interviews, Choice Menus and Stations	Success Criteria - Students Evaluating Their Progress In Learning	
J39	Conjuring Conjectures		
J44	Accessing Rigor through Rich Tasks	Finding common denominators through exploration	
J45	To Model or Not to Model	Common Sense About Number Sense: Early Math	
J50	Thinking Strategies for Multiplication and Division	<b>Be Intentional: Elevating the Mathematical Practices</b>	
J51	538 Ways to Engage High School Students in Real World Math	Share Your Lesson Planning, Not Your Lesson Plans	