

Good Ideas in Teaching Precalculus and...

Friday, March 18, 2016

Program Schedule

First Timers Session: 8:00-8:10 repeated 8:15-8:25, Room 210

	Precalculus	Mathematics and Technology	Calculus	Geometry	Algebra	Applications and Discrete Mathematics	Probability and Statistics	Assessment	General	
Session I 8:30 to 9:20	Angelique Bender Using Pasta to Explore Theorems in Geometry and Trigonometry Room 202	Kathleen Carter Incorporating Desmos in Algebra 2 and Precalculus Classes Room 206	Irina Lyublinskaya Modeling Complex Calculus Problems with Symbolic Geometry Software Room 205	Angelo DeMattia Some Fascinating Geometry Problems Room 207	Sabrina Bernath Using Technology to Provide Differentiated Instruction in Algebra Room 204	Fred Decovsky How to Weigh an Alligator Room 203	Audrey Nasar Z-scores as Linear Functions Room 208	Robin O'Callaghan and Daniel Klag Building a Productive Disposition Through Assessment Room 209	John Kerrigan and Jennifer Martins Engaging High School Students in Learning via Three Act Math Tasks Room 210	
Session II 9:30 to 10:20	Forest Fisher Blogging and Numbers: An Inquiry-Based Approach to Hybrid Precalculus Room 202	Linda Treilman Get the Most out of Your SMART Board Room 220A (Lab)	Mike Kaplan Using Technology to Enhance Calculus Instruction Room 205	Anita Schuloff Introduction to Geometer's Sketchpad Room 207	Amro Mosaad "Hello my name is $x+3$ " Activities for Teaching Polynomial Functions Room 204	L. Charles (Chuck) Biehl Mathematical Modeling: Out of the Box Room 203	Doug Smith How to Teach Statistics (AP or not) for \$5.91 Room 208	Robin Schwartz Get Smarter! Take the SAT/ACT Room 209	Patrick Letourneau The Beauty of Flipped Lessons Room 210	
Sharing Sessions 10:30-11:05	A. What to Keep and What to Leave Out of Precalc and Calculus (Anita Schuloff) Room 202	B. Acceleration to Calculus: Pluses and Minuses (Angelique Bender) Room 206	C. How Do You Prepare Students for AP Tests? (John Kerrigan) Room 205	D. What Algebra and Geometry Topics are Needed for Precalculus (TBA) Room 207	E. Modeling Student Engagement (Neil Cooperman) Room 204	F. Preparing High School Students for College Math (Jay Schiffman) Room 203	G. What is Your School Doing to Prepare for State Tests? (Angelo DeMattia) Room 208	H. Celebrating April's Math Awareness Month (Kathleen Carter) Room 209	I. Effective Use of Technology in Math Classes (Eric Berkowitz) Room 210	
11:10 – 12:15	Plenary Session -- Room 111 SERC: Integral Circle Packings and Fractals: A Tour of Geometry and Arithmetic – Alex Kontorovich, Associate Professor of Mathematics, Rutgers University									
12:15 – 12:55	Buffet Lunch – SERC Building, 2 nd Floor									
Session III 1:00 to 1:50	Aggie Azzolino Precalc Stuff Room 202		Elaine Terry Precalculus Tools that are Essential for First Semester Calculus Room 205		Eric Milou Reinventing Algebra I in a Common Core World Room 204	Joe Rosenstein Problem Solving & Reasoning with Discrete Mathematics Room 203	Neil Cooperman 101 ₂ Probability Activities, More or Less ... Room 208	Stacy Winters Alternative Assessment in Algebra, Geometry, and Precalculus Room 209	Jay Schiffman Using Manipulatives in the Classroom to Enhance Problem Solving Room 210	
Session IV 2:00 to 2:50	Ahmed Salama The Practical Uses of Logarithmic and Exponential Functions Room 202	Eric Berkowitz App-solutely Fabulous Room 206			Ken Collins Explorations in Algebra that Help Prepare Students for Calculus Room 204	David Hyman Yes, we "CAN" Room 203	Amanda Zielenkiewicz Using a Flipped or Blended Learning Environment in AP Stats Room 208			

Session V – 3:00-4:00 – Recreational Mathematics – five 10-minute talks by Jay Schiffman, Chuck Biehl, ...