

**NCTM Annual Conference – 2019**  
**San Diego, CA**  
**April 3-6, 2019**

#	Title	Description	Details
13	Thu, 4/4: 8:00-9:00 Session	<a href="#">Five Powerful Ways to Leverage 1:1 Devices in Your Math Classroom</a> <i>Johnathan Taylor</i> , Community High School District 128 10-12	Hilton Bayfront Room: Sapphire KL
16	Thu, 4/4: 8:00 AM - 9:00 AM 16 Session 60 Minutes	<a href="#">How to Desmo-fy Your Math Lesson to Promote a Growth Mindset</a> <i>van Cheng</i> , CSUN Co-Speaker(s) <i>Matthew Kim</i> , Learn4Life <i>Jaspreet Sandha</i> , LAUSD	San Diego Convention Center Room: 30 DE
31	Thu, 4/4: 8:00 AM - 9:15 AM 31 Workshop 75 Minutes	<a href="#">Constructive Proofs: Use Web Sketchpad to Prove SSS and More</a> <i>Scott Steketee</i> , 21st Century Partnership for STEM Education Co-Speaker(s) <i>Donovan Hayes</i> , School District of Phila <i>Daniel Scher</i> , McGraw-Hill Education 8 to 10	Hilton Bayfront Room: Cobalt 502
37	Thu, 4/4: 8:00 - 9:15 Workshop	<a href="#">Functions from a Data Perspective</a> <i>Janet Shiver</i> , Central Washington University <i>Peter Klosterman</i> , Central Washington University 8-10	San Diego Convention Center Room: 20 BC YELLOW
40	Thu, 4/4: 8:00 - 9:15 Workshop	<a href="#">Inquiry-Based Learning Activities for Geometry</a> <i>Kate Sherwin</i> , Nebraska City Public Schools <i>Betty Love</i> , University of Nebraska-Omaha <i>Victor Winter</i> , University of Nebraska-Omaha 6 to 8	Hilton Bayfront Room: Aqua C
56	Thu, 4/4: 9:30-10:30 Session	<a href="#">Building Social + Creative Classrooms with Technology</a> <i>Eli Luberoff</i>	Hilton Bayfront Room: Indigo CG

64	Thu, 4/4: 9:30 - 10:30 Session	<a href="#">Investigations with Right Triangles to Deepen Students' Conceptual Understanding</a> <i>Holly Anthony, Tennessee Tech University</i> <i>Jackie Vogel, Austin Peay State University</i>	Hilton Bayfront Room: Aqua D
76	Thu, 4/4: 9:30 - 10:30 Session	<a href="#">Teaching and Assessing with Virtual Manipulatives</a> <i>Justin Burris, University of Houston</i>	Hilton Bayfront Room: Aqua EF
77	Thu, 4/4: 9:30 - 10:30 Session	<a href="#">The Awe-Inspiring Art of Bridget Riley: Integrating Math, Art, and Desmos</a> <i>Andrea Sorrells, Choate Rosemary Hall</i> <i>Jessica Pfeil</i> 10-12	San Diego Convention Center Room: 29 C
85	Thu, 4/4: 9:45-11:00 Workshop	<a href="#">CodeR4MATH: Become Power Modelers via Intuitive Coding with R</a> <i>Jie Chao, Concord Consortium</i> <i>Ben Galluzzo, Clarkson University</i> <i>Eric Simoneau, Boston Latin School</i>	Hilton Bayfront Room: Aqua C
89	Thu, 4/4: 9:45AM - 11:00AM Workshop	<a href="#">Granola Graphs Galore: Exploring Categorical Data with Dynamic Statistical Tools</a> <i>Rick Hudson, Univ of Southern Indiana</i> <i>Stephanie Casey, Eastern Michigan U</i> <i>Hollylynn Lee</i>	San Diego Convention Center Room: 29 AB
90	Thu, 4/4: 9:45 -11:00 Workshop	<a href="#">Hands-On Activities + Technology = Mathematical Understanding through Authentic Modeling</a> <i>Thomas Beatini</i>	Hilton Bayfront Room: Indigo E
96	Thu, 4/4: 9:45 AM - 11:00 AM Workshop	<a href="#">Portfolios: A Journey toward Authentic, Student-Led Assessment</a> <i>Sarah Grace Strong, High Tech High</i> <i>Cate Challen, High Tech High</i>	Hilton Bayfront Room: Indigo 202
99	Thu, 4/4: 9:45-11:00 Workshop	<a href="#">Teaching Geometry through Dance: A Joyful Kinesthetic Approach to Learning</a> <i>Lucia Schaefer, DCPS</i>	San Diego Convention Center Room: 31 AB

122	Thu, 4/4: 11:00 -12:00 Session	<a href="#"><u>No More One-Size-Fits-All Assessments. Explore Student-Designed Assessments in Secondary Math</u></a> <i>Becky Archibald, Edmond Public Schools</i>	Hilton Bayfront Room: Sapphire EF
133.2	Thu, 4/4: 11:00-12:00 Exhibitor Workshop	<a href="#"><u>Fun With Functions!</u></a> <i>Sergio Durante, Houghton Mifflin Harcourt</i>	San Diego Convention Center Room: 31 C
133.3	Thu, 4/4: 11:00-12:00 Exhibitor Workshop	<a href="#"><u>BYOD: Mathspace—Using Data to Inform Your Teaching Practice. Did I Mention It's Pre-Graded?</u></a> <i>Jacqueline Kempen, Mathspace</i>	San Diego Convention Center Room: 32 A
140	Thu, 4/4: 11:30-12:00 Burst	<a href="#"><u>Determining the Levels of Cognitive Demand of Elementary Math Activities Found Online</u></a> Emily Jane Shapiro, Bucknell University Institute of Public Policy Lara Dick, Bucknell University Tabitha Ann Wismer, Bucknell University Institute	San Diego Convention Center Room: 25 ABC
143	Thu, 4/4: 11:30-12:00 Burst	<a href="#"><u>Flip the Grid for Purposeful Mathematics Discourse through Technology</u></a> <i>Amy Bennett, Ceres Unified School District</i> <i>Noelle Won, CSU Stanislaus</i>	San Diego Convention Center Room: 23 BC
150	Thu, 4/4: 11:30-12:00 Burst	<a href="#"><u>NCTM's Resources for the Elementary Classroom</u></a> <i>Monica Ann Tienda, Key Elementary, Oak Park School District</i> <i>Desiree Harrison, Farmington Public Schools</i>	Hilton Bayfront Room: Aqua 314
156	Thu, 4/4: 11:30-12:00 Burst	<a href="#"><u>Use CODING to Investigate and Unlock Surprising Math Connections While Experiencing “A-Ha” Moments</u></a> <i>Carvel LaCurts, Salisbury University</i>	San Diego Convention Center Room: 24 ABC
169	Thu, 4/4: 1:30-2:30	<a href="#"><u>GeoGebra Does THAT? Doing Statistics and Data Analysis in GeoGebra</u></a> Steve Phelps, Madeira High School	San Diego Convention Center Room: 29 C

172	Thu, 4/4: 1:30-2:30	<a href="#"><u>Growing Professionally through Collaboration in a Virtual Network of Innovation</u></a> <i>Sandy Wilborn, Virginia Advanced Study Strategies (VASS)</i> <i>Mike Lane, Appomattox County Middle School</i> <i>Jennifer Stevens, VASS</i>	San Diego Convention Center Room: 20 BC GREEN
182	Thu, 4/4: 1:30-2:30	<a href="#"><u>Using Applets to Develop Statistical Understanding</u></a> <i>Daren Starnes, The Lawrenceville School</i> <i>Josh Tabor, Canyon del Oro High School</i>	San Diego Convention Center Room: 28 DE
210	Thu, 4/4: 3:00-4:00	<a href="#"><u>Activities and Strategies for Teaching Transformations of Functions with Graphing Calculators</u></a> <i>Arsalan Wares, Valdosta State University</i>	San Diego Convention Center Room: 28 DE
221	Thu, 4/4: 3:00-4:00	<a href="#"><u>Keep Calm and Tech On! Teaching with Technology!</u></a> <i>Keri Strusz, Robbinsdale Area Schools</i> <i>Kimberly Henke</i>	San Diego Convention Center Room: 30 C
245	Thu, 4/4: 3:15-4:30	<a href="#"><u>Math, Coding, and Programming . . . Oh My! Connecting Coding to the Standards for Mathematical Practice!</u></a> <i>Lauren Speiser, HCPSS (Forest Ridge Elementary School)</i>	Hilton Bayfront Room: Indigo 204
249	Thu, 4/4: 3:15 PM - 4:30 PM	<a href="#"><u>Problem Solving + Assessment + Technology (GeoGebra and GoFormative) to Build Mathematical Knowledge</u></a> <i>Roberto Soto, California State Univ, Fullerton</i> <i>Armando Moises Martinez-Cruz, CSU Fullerton</i>	San Diego Convention Center Room: 24 ABC
252	Thu, 4/4: 3:15 PM - 4:30 PM	<a href="#"><u>Teaching with Desmos: Engaging and Challenging Students of All Levels</u></a> <i>Jeremy Stuhlfauth, Columbus City Schools</i>	San Diego Convention Center Room: 29 AB
253	Thu, 4/4: 3:15 PM - 4:30 PM	<a href="#"><u>Transforming HS Geometry with GeoGebra: Featuring Activities from Illustrative Mathematics Geometry</u></a> <i>Jennifer Silverman, ProRadian Protractors</i>	Hilton Bayfront Room: Sapphire AB
262	Thu, 4/4: 4:30 PM – 5:30 PM	<a href="#"><u>Beyond Answer-Getting: Shift the Instruction, Shift the Culture</u></a> <i>Holly Gentry, MSD Wayne Township</i> <i>Laura Lee, MSD Wayne Township</i>	Hilton Bayfront Room: Sapphire KL

271	Thu, 4/4: 4:30 PM - 5:30 PM	<a href="#"><u>Formative Assessment and Engagement: How to Run a Flipped Classroom after the Videos Are Made</u></a> <i>Shelly Lindsey-Perera, Lake Forest High School</i> <i>Brian Runft, Lake Forest High School</i> <i>Kyle Wilhelm, Lake Forest High School</i>	Hilton Bayfront Room: Sapphire IJ
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# Friday, April 5<sup>th</sup>, 2019

294	Fri, 4/5: 8:00 AM - 9:00 AM	<a href="#">Is This Vending Machine FUNCTIONing Correctly?</a> <i>Lara Dick, Bucknell University</i> <i>Jennifer Lovett, Middle Tennessee State University</i> <i>Allison McCulloch, University of North Carolina at Charlotte</i>	Hilton Bayfront Room: Indigo CG
306	Fri, 4/5: 8:00 AM - 9:00 AM	<a href="#">Student-Created Three Act Tasks: Mathematical Modeling for the YouTube Generation</a> <i>Carrie S. Cutler, University of Houston</i>	Hilton Bayfront Room: Aqua 311
324	Fri, 4/5: 8:00 AM - 9:15 AM	<a href="#">Programming Successful Reasoning: Coding in Early Childhood Mathematics</a> <i>Kelley Buchheister, University of Nebraska-Lincoln</i>	San Diego Convention Center Room: 30 AB
331	Fri, 4/5: 8:00 AM - 9:15 AM	<a href="#">Use Recursion to Solve Interesting Problems</a> <i>Raymond Siegrist, SUNY Oneonta</i>	Hilton Bayfront Room: Sapphire 400
349	Fri, 4/5: 9:30 AM - 10:30 AM	<a href="#">Mathematical Modeling Can Make You Filthy Rich</a> <i>Robert Kaplinsky, robertkaplinsky.com</i>	San Diego Convention Center Room: Exhibit Hall E
352	Fri, 4/5: 9:30 AM - 10:30 AM	<a href="#">Photo Talks: Using Images to Spark Rich Mathematical Noticings and Conversations</a> <i>Beth Barnes, Great Minds/Eureka Math</i>	Hilton Bayfront Room: Sapphire GH Description
357	Fri, 4/5: 9:30 AM - 10:30 AM	<a href="#">Teddy Bears, Army Men, and Zombies: The Wonderful World of Algebra</a> <i>David Neale Henson, Region 11 ESC</i>	Hilton Bayfront Room: Sapphire KL
358	Fri, 4/5: 9:30 AM - 10:30 AM	<a href="#">The Beauty of Harmonic Divisions of Golden Rectangle Designs</a> <i>Stephanie H. Cooperman, Retired</i> <i>Neil Cooperman, Millburn School District</i>	Hilton Bayfront Room: Cobalt 501

360.4	Fri, 4/5: 9:30 AM - 10:30 AM	<a href="#">TI in Focus: AP® Calculus Resources</a> <i>Curtis Brown, Texas Instruments</i>	San Diego Convention Center Room: 33 C
362	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Coding and Logic: Play-Based Spatial Reasoning and Computational Thinking in Pre-K-2</a> <i>Ashley Delaney, Iowa State University</i> <i>Christa Jackson, Iowa State University</i> <i>Kari Jurgenson, Iowa State University</i>	San Diego Convention Center Room: 20 BC YELLOW
363	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Digital Portfolios: Empowering All Students</a> <i>John Berray, Grossmont Union HS District</i> <i>Tiffany Jokerst, West Hills High School</i>	San Diego Convention Center Room: 25 ABC
364	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Exploring the Centers of a Triangle and Euler's Line using Nspire App in the iPad</a> <i>Arthur Mabbott, Scholars On-line</i>	San Diego Convention Center Room: 28 ABC
368	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Making Connections between Geometric Transformations and Functions Using Technology</a> <i>Karen Hollebrands, NCSU</i> <i>Allison McCulloch, U of North Carolina-Charlotte</i>	Hilton Bayfront Room: Sapphire CD
372	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Problem Solving to Elicit Student Thinking</a> <i>Armando Moises Martinez-Cruz, CSU</i> FULLERTON <i>Tor Ormseth, STEAM Academy @ Burke Middle School, El Rancho USD</i> <i>Marvin Soto, Los Alisos Middle School</i>	San Diego Convention Center Room: 30 AB
377	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">The Hierarchy of Hexagons: An Example of Geometry Inquiry</a> <i>Christopher Danielson, Desmos, Inc.</i>	Hilton Bayfront Room: Sapphire AB
379	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Unveiling the Magic</a> <i>Tina Cardone, Illustrative Mathematics</i>	Hilton Bayfront Room: Sapphire OP
381	Fri, 4/5: 9:45 AM - 11:00 AM	<a href="#">Using Desmos in Calculus Class</a> <i>Martha Mulligan, Chicago Public Schools</i>	Hilton Bayfront Room: Indigo 202

387	Fri, 4/5: 11:00 AM - 12:00 PM	<a href="#">Building a High-Quality Flipped Classroom via Self-Made Video Courses Using Final Cut and Udemy</a> <i>Huzefa Kapadia, Scalar Learning LLC</i>	Hilton Bayfront Room: Aqua 311
388	Fri, 4/5: 11:00 AM - 12:00 PM	<a href="#">Catalyzing Change through a Common Rigorous High School Math Curriculum</a> <i>David Erickson, University of Montana</i> <i>Lisa Scott, Billings Public School</i>	Hilton Bayfront Room: Sapphire GH
391	Fri, 4/5: 11:00 AM - 12:00 PM	<a href="#">Desmos: Deeper Understanding through Students Writing Explanations</a> <i>Patrick Callahan, Callahan Consulting</i>	San Diego Convention Center Room: 30 C
411.2	Fri, 4/5: 11:00 AM - 12:00 PM	<a href="#">BYOD: Mathspace—Using Data to Inform your Teaching Practice. Did I Mention It's Pre-Graded?</a> <i>Jacqueline Kempen, Mathspace</i>	San Diego Convention Center Room: 31 C
411.5	Fri, 4/5: 11:00 AM - 12:00 PM	<a href="#">Driving On Mars: A Coding Problem</a> <i>Curtis Brown, Texas Instruments</i>	San Diego Convention Center Room: 33 C
429	Fri, 4/5: 11:30 AM - 12:00 PM	<a href="#">NCTM's Resources for the Secondary Classroom</a> <i>Chonda Long, NCTM</i> <i>David Ebert, Oregon High School</i>	Hilton Bayfront Room: Aqua 314
430	Fri, 4/5: 11:30 AM - 12:00 PM	<a href="#">Role Models, Volcanoes, and Technology: Supporting Girls with Ratios and Proportional Relationships</a> <i>Heather Glynn Crawford-Ferre, Nevada U, Reno</i> <i>Stephanie Vega</i>	Hilton Bayfront Room: Indigo E
434	Fri, 4/5: 11:30 AM - 12:00 PM	<a href="#">Using Facebook to Extend Opportunities for Reflection and Discussion</a> <i>Jessica De La Cruz, Assumption College</i>	San Diego Convention Center Room: 20 BC Yellow
453	Fri, 4/5: 1:30 PM - 2:30 PM	<a href="#">Not So Complex: A Geometric Approach to Complex Numbers from Addition through Euler's Formula</a> <i>Daniel Scher, McGraw-Hill Education</i> <i>Scott Steketee, 21st Century Partnership for STEM Education</i>	Hilton Bayfront Room: Aqua 311



464	Fri, 4/5: 1:30 PM - 2:45 PM	<a href="#">All Ages--Geometry Practices to Build Capacity</a> <i>Jedidiah Butler, PUHSD - Heritage High</i> <i>Jennifer Vadnais, Redlands Unified District</i>	Hilton Bayfront Room: Sapphire MN
465	Fri, 4/5: 1:30 PM - 2:45 PM	<a href="#">AP Calculus Framework: Integral Defined Functions and the Fundamental Theorem Using Technology</a> Mike Koehler, Retired	San Diego Convention Center Room: 25 ABC
478	Fri, 4/5: 1:30 PM - 2:45 PM	<a href="#">Making Math Come to Life with Programming</a> Ashley Ann Tewes, Chippewa Middle School	San Diego Convention Center Room: 31 AB
485	Fri, 4/5: 1:30 PM - 2:45 PM	<a href="#">Teaching Statistics with Programming</a> Rick White, Catlin Gabel School	Hilton Bayfront Room: Indigo D
494	Fri, 4/5: 3:00 PM - 4:00 PM	<a href="#">Create Assessments with Desmos!</a> Julie Reulbach, Cannon School	San Diego Convention Center Room: 29 C
496	Fri, 4/5: 3:00 PM - 4:00 PM	<a href="#">Flipped Classroom Designs for the Mathematics Classroom</a> John Kerrigan, Middletown BOE & Rutgers University	Hilton Bayfront Room: Cobalt 520
<a href="#">502</a>	Fri, 4/5: 3:00 PM - 4:00 PM	<a href="#">The Joy of dx: Cool Connections in Calculus</a> <i>Thomas Dick, Oregon State University</i> <i>Gail Burrill, Michigan State University</i> <i>Stephen Kokoska, Bloomsburg University</i>	Hilton Bayfront Room: Sapphire IJ
563.3	Fri, 4/5: 4:30 PM - 5:30 PM	<a href="#">Digital math workflow FTW with EquatIO, Desmos, and Google!</a> John McGowan, Texthelp	San Diego Convention Center Room: 32 B

Saturday, April 6<sup>th</sup>, 2019

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