

2019 ICTM Fall Conference

Program Overview

Updated September 9, 2019

Sunday September 29, 2019						
11:00 AM Registration Begins						
12:00 PM ICTM NEST Awardees Meeting (Grand Ballroom 4 & 5)						
12:30 PM #1 ICTM 101: What You Need to Know to Have a GREAT 1st Conference Diane Rodriguez (Grand Ballroom 4 & 5)						
Room	1:00-1:45	2:00 – 3:00 Equity and Access: Examining Teachers' Conceptions to Effectively Position Students, Christa Jackson. Plenary Session	3:00 – 3:30 Vendor Walk and Snacks	3:30-4:15	4:30-5:15	5:30-6:15
Salon B	#2 Motivating Similar Triangles using Indirect Measurement Mark Creager (HS)			#11 Factoring Disability into Your Mathematics Classroom Barbara Johnson (HS)	#20 Building Connections and Breaking Down Rules in the Precalculus Classroom Jenny Cox (HS)	#29 Proofiness: Using Justifications and Other Not-Quite-Proofs for Student Understanding and Insight in Calculus Greg Macklem (HS)
Salon C	#3 Reasoning & Proof: Enhancing Student Critical Thinking and Sense-Making in All Mathematics Classes Robin Conti (MS/HS)			#12 A Psychic Octopus?: Using Simulation to Develop Statistical Reasoning about Inference Rick Hudson (MS/HS)	#21 Introduction to Desmos: Free Beautiful Math Ella Hereth (MS/HS)	#30 Spreadsheets as a Tool For Learning and Doing Mathematics Dale Nowlin (MS/HS)
Salon D	#4 Cooperate, Investigate, and Process with Geofix Shapes Don Balka (MS/HS)			#13 Red Rover, Red Rover, Send Coding Right Over Janice Mitchener Deb Nutt (MS/HS)	#22 Navigating Data's Exploding Frontier Patrick Eggleton (MS/HS)	#31 Statistics in Action: Statistics Features on the Desmos Graphing Calculator Pam Lindemer (MS/HS)
Salon E	#5 Transforming Math Lessons into STEM Lessons Emily Bruning Jennifer Jensen (ELEM)			#14 Forget Fact Frenzy Remember Fact Fluency Lynn Rule Jeanine Crockett (ELEM)	#23 Shift Happens: Ideas for Empowering Young Mathematicians in Your Classroom Gina Yoder Enrique Galindo Jinqing Liu Pavneet Kaur Bharaj (ELEM)	#32 Teacher Leadershift: Creating a Culture for Collaborative Mathematics Sara Hunter Kali Wheeler Laurie Davies (ELEM)
Salon 1	#6 Math for Chocolate Lovers (Or not) Deborah Mink (ALL)			#15 Using Belief Statements to Guide Professional Development Brian Dinwiddie Jennifer Wheat Courtney Flessner Ryan Flessner (ALL)	#24 Heartbeat of Number Sense Math Fact Fluency Virginia Luce Virginia Smith (ELEM)	#33 How the Effective Mathematics Teaching Practices Turned Me Into a "Math Person" Courtney Flessner (ELEM)
Salon 2	#7 Emphasizing the Process Standards in Calculus Andrew J. Hoffman (HS)			#16 Making Your Students as Smart as Their Phones While Fixing Their Bugs Alan Zollman (ALL)	#25 Flipgrid in the Math Classroom Holly Summers (ALL)	#34 Small Tasks Make a Big Impact Liz Thomas Dana Hartzell (ELEM/MS)

Sunday September 29, 2019 (Continued)

Room	1:00-1:45			3:30-4:15	4:30-5:15	5:30-6:15
Salon 6	<p><u># 8 Celebrate Your Journey: Thriving in the Teaching Profession</u> Jean Lee Olivia Birdsall Carla Milliman Jas'Minque Potter Scott Staley (ALL)</p>			<p><u>#17 Coaching Your Students to Win a Statistics Prize at the Hoosier Engineering and Science Fair</u> David Fluharty Edward J. Brizendine (ALL)</p>	<p><u>#26 80's Math Flashback</u> Clay Roan (ALL)</p>	<p><u>#35 Twitter as a Math Teacher Professional Development Tool</u> Kevin Self Ella Hereth (ALL)</p>
Salon 7	<p><u>#9 Leveraging Robotics to Teach Mathematics</u> Marian Prince (MS/HS)</p>			<p><u>#18 Transforming Thinking Through Number Talks: From Thinking Quantitatively to Thinking Algebraically</u> Lori Burch Desiree Ippolito Erik Tillema Josh Miller (MS/HS)</p>	<p><u>#27 Poison: A Winning Strategy to Support Algebraic Thinking</u> Lori Burch (MS)</p>	<p><u>#36 Math and Creativity Are Not Mutually Exclusive</u> Olivia Birdsall (ALL)</p>
Salon 8	<p><u># 10 Effectively Selecting and Sequencing Student Work: Examples from Spatial Reasoning</u> Erik Tillema Jinqing Liu Andrew Gatza (MS/HS)</p>			<p><u>#19 Transitioning to College: Lessons Learned From our Summer Math Refresher After Five Years</u> Jodi Frost Alison Breiding Patti Dreher (HAMTE/Teacher Ed)</p>	<p><u>#28 Conceptualizing Teachers' Professional Content Knowledge by Analyzing a Video Lesson</u> Bima Sapkota (HAMTE/Teacher Ed)</p>	<p><u>#37 HAMTE Business Meeting</u> Hoosier Association of Mathematics Teacher Educators</p>

Monday September 30, 2019

Room	8:00-8:45	10:15-11:00	11:15-12:00	1:45 – 2:30	2:45-3:30
Grand Ballroom 4 & 5	#38 From Degrading to De-Grading: Basic Questions About Assessment Alfie Kohn (ALL)	#48 Catalyzing Change in High School Mathematics: Addressing Wicked Problems of Tracking, Acceleration, and Curricular Change Michael Steele (HS)			
Salon B	#39 Using the TI-84 Graphing Calculator to the Utmost Deb Nutt Janice Mitchener (HS)	#49 When Modeling Gets Messy Tricia Chmill (MS/HS)	#58 Teacher Change Is Hard: One Teacher's Implementation of Problem Solving to Teach a Quadratics Unit Ricki McKee (HS)	#67 Transforming your Teaching: Analytical Algebra II Robin Conti (HS)	#76 Practical Methods for Holding Students Accountable for their Conceptual Learning Christy Swartzentruber (MS/HS)
Salon C	#40 Archimedes' Box Don Balka (MS/HS)	#50 Building Our Love for Geometry Yi-Yin Ko (Winnie) Dalton E. Edgecomb Nathan K. Kooi (MS/HS)	#59 Expanding Spatial Reasoning Brooke Max (MS/HS)	#68 Stop, Collaborate, & Reflect: How to Impact Self-Confidence & Content Retention Jessica Markle Alison Breiding (MS/HS)	#77 Breaking the Mold: Transforming the Middle School Math Classroom Mallorie Dill (MS)
Salon D	#41 Lesson Launch Rehearsals: A Core Practice for Secondary Preservice Mathematics Teacher Preparation Rob Matyska (MS/HS/HAMTE/Teacher Ed)	#51 Are you Moody? Michelle Grooms (MS/HS)	#60 Starting the Transformation From Procedural to Conceptual Fluency Caitlin Zahn Robin Conti (MS/HS)	#69 Factoring - A Short Story at its Roots John Drozd (MS/HS)	#78 Less Is More: Transforming your Teaching Practices to Fuel Curiosity and Invite Discussion Jane Taylor (MS/HS)
Salon E	#42 Developing Fact Fluency from Understanding and Strategic Thinking James Burnett (ELEM)	#52 Connected Learning through Visual Pathways Kara Benson Lindsay McGuire (ELEM)	#61 Transforming Learning by Making the Most of What We Know! James Burnett (ELEM)	#70 Every Operation Tells A Story Lynn Rule (ELEM)	#79 There you Grow! Sarah McClanahan (MS)
Salon 1	#43 Pro-active v. Re-active Mathematics Teaching Ryan Flessner (ELEM)	#53 A Unit for Quadrilaterals Designed to Ensure Effective Instruction Pavneet Kaur Bharaj Dionne Cross Francis (ELEM/MS)	#62 Activities for Deepening Elementary Students' Number Sense Courtney Flessner Ryan Flessner (ELEM)	#71 Using Virtual Manipulatives to Develop Area Formulas for Regular Polygons Andrew Lehman (ELEM)	

9:00 – 10:00 In a Context and For a Purpose: Constructing a Progressive Math Classroom, Alfie Kohn. Plenary Session – Grand Ballroom 4 & 5.

12:00 – 1:30 Taking Action in Mathematics Teacher Education: Effective Teaching and Effective Teacher Learning, Michael Steele. Business Meeting, Plenary Session, and Lunch – Grand Ballroom 4 & 5.

Monday September 30, 2019 (Continued)

Room	8:00-8:45		10:15-11:00	11:15-12:00		1:45 – 2:30	2:45-3:30
Salon 2	<u>#44 I have the students' data. Now what?</u> Beth Minor (ELEM/MS)		<u>#54 pHun With Logs: An Interdisciplinary Approach to Making Connections with Exponents and Logarithms</u> Eric Kaschinske Kyle Jane (HS)	<u>#63 Desmos Activities for Beginners</u> Jennifer Fitch (MS/HS)		<u>#72 "Wordy" Word Problems and How to Help Struggling Students</u> Skyler Gilman (ELEM/MS)	<u>#80 The Hoosier STEM Academy: Stipends for Transforming Indiana Secondary STEM Teachers for Dual-Credit Teaching</u> Annette Ricks Leitze (HS)
Salon 6	<u>#45 You Can Do That? Close Reading in Math</u> Alyssa Roberts (ELEM/MS)		<u>#55 Don't Ditch That Tech: Differentiating Math & Science Instruction to Upgrade Student Learning</u> Nate Ridgway Angelia Ridgway (ALL)	<u>#64 Learning Goals = Student Success and Assessment Capable Learners</u> Laurie Ferry (ALL)		<u>#73 The Quantile Framework for Mathematics=Equity in Math</u> Jane Scott (ALL)	<u>#81 Revisiting Liping Ma's Comparison of Math Education between America and China</u> Laurel Drake (ALL)
Salon 7	<u>#46 Creating a Culture of "I CAN" in the Secondary Math Classroom</u> Heidi Downs (MS/HS)		<u>#56 3D Printing in the Math Classroom: Bringing Mathematical Modeling to Life</u> Ella Hereth Kevin Self (MS/HS)	<u>#65 Defining Math Terms Using Problem-Centered Learning</u> Desiree Ippolito (MS)		<u>#74 Addressing Issues of Gender Normativity in Mathematics Curricula</u> Weverton Ataide Pinheiro (MS/HS)	<u>#82 One Cut, Multiple Concepts: A Joyful Approach to Learning Geometry</u> Yi-Yin Ko (Winnie) Jordyn M. Davis Connor Goodwin (MS/HS)
Salon 8	<u>#47 Using the Essential Teaching Practices to Transform Pre-service Teachers in Field Experiences and Student Teaching</u> Betsy Berry (HAMTE/Teacher Ed)		<u>#57 Teacher Influences on Student's Mindset and Goal Setting in Repeat Courses</u> Alison Breiding Jessica Markle (HAMTE/Teacher Ed)	<u>#66 Examining Shifts in Teachers' Perceptions and Practices: Building Professional Development on Teachers' Needs</u> Enrique Galindo Gina Yoder Pavneet Bharaj Jinqing Liu (HAMTE/Teacher Ed)		<u>#75 Fostering Identity Development in Preservice Mathematics Teachers</u> Rob Matyska (HAMTE/Teacher Ed)	