

# ICTM Conference Feb. 16, 2023

Presenter's Name	Grade Band	Title	Description	Presenter's Affiliation
Maura Brueggeman	K-4	Changing Math Mindsets & Growing Number Sense	Many students (and parents) have a fixed mindset about Mathematics. This workshop will give you ideas on how to change your students' mindsets and grow their number sense to enhance their learning.	Whiteside Elementary School, Belleville IL
Cheryl Lubinski	K-5			
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Shelly Liefer	K-5	Songs and Games for Math Skills	Learn songs and games that can be used for multiple math skills with early elementary students.	Red Bud Elementary School
Janae McGee	K-5			Herrin Elementary School
William McNeary	K-5			Southeast Missouri State University
Ho Feng Chueh	K-5		A comparative study between American and Chinese mathematics textbooks in primary school (more details coming soon).	Southern Illinois University Carbondale
Erica Larsen, Jamie Brown, Jessica Zerjal	K-5	Number Sense Routines to Kick Start your Lessons	Are you struggling with ways to increase number sense for your students? Do you want to increase discourse and engagement? This session will leave you with various routines that will give meaning to mathematical tasks and equip teachers with the knowledge and skills they need to engage students.	Mascoutah School District
Erica Larsen	K-5			Mascoutah School District
Annie Forest	K-8			
Greg Gierhart	K-12	The Modern Classroom Project Will Help You Deliver!		Murray State University
Greg Gierhart	K-12	Yes, Technology at Its best		Murray State University
Bob Mann	3-10	Minion Mathematics: Make It Fair	Help the minions fairly divide a cake and learn about fractions, equal parts, proofs, and geometric representations. A low-floor, high-ceiling task that should provide opportunities for success and some challenges for ALL students. Students create, explore, and justify numerous "fair" solutions that extend their understanding of fractions and of mathematical problem-solving.	Western Illinois University
Josh Lemons	6-8			Herrin Junior High School
Kuan Chun Chen	6-8			Southern Illinois University Carbondale
Heather Melton & Courtney O'Dell	6-8	Using Mathigon Tools	Explore Mathigon activities and tools. Participants may wish to bring a device.	Carbondale Middle School
Jackie Murawska & Holly Nick	6-8	No More Mimicking: Our Journey with Thinking Tasks (6-8)	What started as a switch to Liljedahl's vertical whiteboards evolved into an energizing exploration of ways to increase our students' reasoning abilities and autonomy with thinking tasks! Teaching is now less exhausting. We will share our progress, struggles, resources, and goals for the new year.	Skokie/Morton Grove School District 69
Keenan Clark & Jacob Towers	6-12	Skills Based Teaching	Looking for an alternative to homework and chapter tests? "Skills Based Teaching" uses short, in-class, formative assessments (rather than traditional homework and tests) to guide instruction. The mission is to assign meaningful and accurate grades (in a conventional 90-80-70-60 scale) that are a reflection of learning and based on specific skills in mathematics.	Carterville High School

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Alison Childers	6-12			
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Craig Roberts	6-12	Representing Equations and Calculations Algebraically and Geometrically	Representing mathematical concepts in a variety of ways benefits students with different learning styles. We will explore representing equations and calculations algebraically and geometrically in a variety of ways to increase understanding of essential concepts.	Southeast Missouri State University
Kelly Wamser Remijan	6-12	Transforming Teachers into Teacher Leaders of Mathematics	This presentation will 1) discuss what it means to be a teacher leader of mathematics, within and beyond the classroom, 2) describe steps that teachers can take to begin being recognized as teacher leaders of mathematics, and 3) identify actions that education leaders can take to promote the development of teacher leaders of mathematics. Lots of examples & resources provided for transforming teachers into teacher leaders of mathematics!	Illinois Math & Science Academy (IMSA)
Kelly Wamser Remijan	8-12	Travel the World with Flags: Using Desmos to Explore Graphing with Equations & Inequalities	Explore and discover how to replicate flags of various countries by graphing within Desmos using: Linear Equations/ Inequalities, Absolute Value Equations/Inequalities, Equations/ Inequalities of Circles, and Domain/Range.	Illinois Math & Science Academy (IMSA)
Dr. Erin Sagaskie	9-12	The Status Quo in High School Mathematics is Unacceptable	Mathematics course offerings and structures in high schools have not changed significantly in the last 60 years. Too many students are leaving high school unprepared for college and careers and unable to meaningfully participate in a modern society that requires citizens to understand and make decisions on the basis of data. This is clearly an issue and it is time to discuss and make serious changes.	Carbondale Community High School
Nick Koberstein	9-12	Reinventing the Graphing Calculator	You probably wouldn't be happy using the phone you had ten years ago. Yet the calculators we use in our classrooms have not evolved in decades. Confusing abbreviations, complicated procedures and obscure menus make those devices painful to use. Come learn about NumWorks, a new and intuitive graphing calculator that brings simplicity into the classroom.	NumWorks, Inc.
Nick Koberstein	9-12	Making Statistics Accessible to All	It is critical that students are able to use data to make informed decisions. Using the free online NumWorks calculator, we will engage in statistical tasks involving one- and two-variable datasets, probability distributions and statistical inference. Develop your students' statistical literacy from 6th grade to AP Stats!	NumWorks, Inc.
Elissa Miller	9-12			Egyptian Schools
Jie Shi Liew	9-12		Statistics and probability related (more details coming soon).	Southern Illinois University Carbondale
Craig Cullen	11-12		In this session we will examine the connections between the geometry words chord, secant, and tangent to trigonometry. Specifically, we will discuss the mistranslation of the word sine and the meaning of the co- in the co-functions.	Illinois State University
Adam Poetzel				University of Illinois at Urbana-Champaign
Alan Zollman	PK-14	Fixing the Most Common Myths of Learning Mathematics	Six research-based ideas how students best learn – with the three persistence concepts, offered with a dash of humor, all in one run-on sentence.	Indiana University Southeast