

Title (Speakers)	Prim	Int	Mid	Sec
8:30am - 9:30am				
Welcome and Opening Keynote - From Perseverance to Productive Struggle: States vs. Traits (Peter Liljedahl)				
In recent years, conversations in math education have centered on perseverance, positive dispositions, patience, grit, frustration, productive struggle, interest, engagement, and mastery experiences. These qualities reflect the very best of what we hope to see in students. In this session, I delve into some of these qualities—and more—examining how they connect, how they differ, and the kinds of learning environments that allow them to thrive.				
9:45am - 11:00am				
Re-imaging Fractions: Core concepts to support conceptual understanding of operations on fractions (Susan Robinson) HYBRID SESSION				
<i>What can we do in math class that support a conceptual understanding of fractions rather than a reliance on procedures? This session will engage teachers with activities that highlight core fraction concepts and operations on fractions, while examining what makes fractions challenging for students. We will look at multiple representations of fractions and teacher moves that encourage students to justify their reasoning and strategize their approaches to comparing and ordering fractions, equivalent fractions and operations on fractions. Materials will be provided for in-person participation; online attendees will need graph paper and access to Cuisenaire rods (link to virtual Cuisenaire rods will be provided at the start of the workshop).</i>				
The Power of Silence - Teaching More by Talking Less (Kathleen Jalalpour) HYBRID SESSION				
<i>Come participate in hands-on investigations that reveal what it truly feels like to learn new number concepts. See how manipulative-based inquiry learning fosters a thinking classroom – with less teacher talk – that empowers students to take charge of their own learning.</i>				
LaTeX + AI - The Perfect Duo for High Quality STEM Documentation (Douglas Tam)				
<i>Tired of MS Word and Google Docs destroying your formatting every time you insert an equation or adjust a margin? This hands-on workshop introduces a frictionless workflow that pairs the typesetting power of LaTeX with the generative speed of AI. We will walk through a step-by-step process to instantly build flawlessly formatted, professional-grade math assessments, in a fraction of the time. Participants will receive access to my personal LaTeX templates and AI prompt structures. Please bring a laptop and an existing quiz you would like to instantly upgrade during our live build session.</i>				

Title (Speakers)	Prim	Int	Mid	Sec
11:15am - 12:30pm				
Integers: Drop the Rules; Work on Number Sense (Keith Van De Keere) HYBRID SESSION				
<i>How do your kids solve problems involving subtraction? If we resort to using tricks to solve subtraction problems, students may wrongly conclude that subtraction doesn't work for integers. We will use contexts to help students see how integers can help us communicate ideas in our world.</i> <i>We will talk about:</i> · Locating & navigating with integers on a number line · The concept and value of making zeros to solve addition, subtraction and multiplication problems. · Using Number strings to show a pattern to validate the shortcuts (tricks) we tend to just give students without investigating or understanding.				
Simulations in the mathematics classroom: acting out socio-mathematical issues (Katherina von Bülow, Sean Chorney) HYBRID SESSION				
<i>In our work with socio-mathematical issues, we have developed a number of simulation activities in which students act out and reflect on such issues. We will engage in 2 or 3 simulation activities, such as: a physical graph of wealth inequality, a debate on greenhouse gas emission trends, and a role-play of voting apportionments. We will discuss the simulations and our experiences enacting them in classrooms, and explore their ties to curricular topics such as graphing, measurement, data literacy, and proportional thinking.</i>				
Get the Facts about Fluency (Michelle Skene) EXHIBITOR SESSION				
<i>The Curriculum calls for a balanced approach to math emphasizing a solid grounding in core skills alongside a deeper conceptual understanding. But how do we achieve fluency without resorting to the timed tests and rote memorization of the past? Mathematically fluent students notice patterns and structures of numbers and select tools with intention. We'll explore key pillars of fluency and learn practical, classroom-ready strategies to help your students become accurate and flexible math learners . You'll leave with teaching ideas that empower your students to reason – not just recall.</i>				
1:15pm - 2:30pm				
5 easy ways to improve your students' fraction number sense starting tomorrow (Shelley Yearley, Tara Flynn)				
<i>Fractions are notoriously hard to teach – and hard to learn. (No, it's not just you!)</i> <i>Tired of seeing the same errors over and over in students' fractions work? Wondering what to do next to help students truly make sense of fractions? Join us for an interactive, research-informed session packed with practical strategies you can use immediately in your classroom. We've done the research so you can reap the benefits with your students. Discover how small instructional shifts can lead to big learning gains, and walk away with simple, low-prep, high-impact strategies to try in your classroom that make fractions meaningful for all learners.</i>				

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Additive Thinking And Equality (Keith Van De Keere) <i>HYBRID SESSION</i>				
<i>Our #1 goal is to foster development of number sense and mathematical thinking by talking about and showing math BIG IDEAS in action. First big hurdle: moving kids from counting to additive thinking. We want kids to see what math looks like and how it works to solve real life problems.</i> <i>We will talk about:</i> · <i>Counting vs. additive thinking</i> · <i>Four Important questions that need to be at the heart of every math lesson</i> · <i>Importance of working with partners and groups</i> · <i>Important uses of Open Number Lines</i> · <i>Adding and subtracting BIG IDEAS</i> · <i>Pairing up questions to help kids number relationships</i>				
More Feedback, Less Grading: AI-Assisted Assessment for Math (Ash Misquith)				
<i>Learn how to give students far more detailed, timely feedback on their reasoning, methods, errors, and next steps — without redesigning the assessments you already use.</i> <i>This practical session shows how to take the stack of tests and problem sets on your desk, scan them into a single PDF, and upload them exactly as they are. Using your own answer key or rubric, AI produces structured first-pass marks and feedback for each student — following the working, not just the final answer. The workflow handles virtually any format: handwriting, multi-step solutions, diagrams, graphs, word problems, and mixed-format work. You can also let students upload their own submissions digitally.</i> <i>Just as useful, class-wide results surface common misconceptions at a glance — a clear signal for targeted reteaching. And throughout, you stay in control: reviewing, revising, and owning every final grade and comment.</i> <i>You'll leave with a practical way to give students richer feedback, cut the repetitive part of grading, and keep using the assessments you already trust.</i>				