

Our *Eureka Math*<sup>2</sup>™ teacher-writers are presenting on a variety of instructional practices, mathematical models, and more at NCTM 2022. Join us for the following sessions, and make sure to stop by booth #725 to meet the *Eureka Math*<sup>2</sup> team and be entered to win one of six iPad Airs.

## Thursday, September 29

- 8:00 AM – 9:15 AM  
Session #28  
Room 403B
- Opening the Middle: Diverse Solution Paths to Enhance Mathematical Meaning (Grades 3–5)**  
**Jonelle Godfrey | Lauren Moore**  
Students may use their burgeoning number sense, familiar tools, and new strategies to crack open an unfamiliar problem. In this session, explore a framework to share, compare, and connect strategies that can lift and support divergent thinking, address common misconceptions, and make visible the efficiency of various problem-solving methods. (CGI)
- 8:00 AM – 9:00 AM  
Session #8  
Room 410
- In Their Shoes: Journey Mapping a Mathematics Lesson (Grades 3–5)**  
**Lauramarie Coleman | Latonya Snell-Lockhart**  
Are you prepared to meet the needs of all students, especially multilingual learners and students who need support to stay engaged? Do you ever wonder what lessons are like for your students? Interactive Journey Mapping will explore common learning barriers and how to use the Universal Design for Learning Guidelines to address variability.
- 8:00 AM – 9:00 AM  
Session #6  
Room 411
- In Their Own Words: Getting the Most out of the Lesson Objective (Grades PreK–2)**  
**Melanie Gutierrez | Lisa Watts Lawson**  
“Today we are going to learn about...” isn’t that how most lessons begin? Let’s shift the paradigm to refrain from announcing the objective, and instead close with a “Math Meeting” where students debrief the lesson experience. The result is reflective students arriving at an authentic understanding of concepts expressed in their own words.
- 9:30 AM – 10:00 AM  
Great Minds Booth  
(#725)
- Exponentially Greater: What’s New in Eureka Math<sup>2</sup> (All Grades)**  
We revolutionized math instruction with *Eureka Math*<sup>®</sup>—and now we’ve raised the bar to the second power. Join us to see how *Eureka Math*<sup>2</sup> maintains our reputation for focus, coherence, and rigor, while adding digital interactives, additional teacher support, and so much more to make it exponentially more joyful to teach and learn math.
- 9:30 AM – 10:30 AM  
Session #44  
Room 150A
- Strategies to Enhance Long-Term Learning (Grades 6–8)**  
**Emily Koesters | Paula Sokolik**  
Do your students forget what they have learned? Are you interested in strategies that will boost student learning and can be implemented in your limited class time? In this session, explore factors that impact what we remember and powerful strategies to improve learning retention.



## Thursday, September 29 (Continued)

9:30 AM – 10:30 AM  
Session #39  
Room 410

### **Number Bonds: The Foundation of Number Sense (Grades PreK–2)**

**Ricky Mikelman**

Composing and decomposing numbers is a critical component of number sense. Let's explore how to introduce number bonds to our youngest learners utilizing the concrete-pictorial-symbolic model and learn new strategies to include number bonds daily—in number talks, problem-solving, and fact fluency. Learn ways to build flexible, fluid learners.

9:45 AM– 11:00 AM  
Session #66  
Room 408B

### **Scaling it Up: Modeling with Scale and Dilation in the Middle Grades (Grades 6–8)**

**Chris Black | Leah Childers**

Mathematical modeling increases students' ability to apply the reasoning they learn in math class to situations in the real world, but finding authentic low floor/high ceiling tasks can be daunting. Experience two open-ended modeling tasks focused on scale and dilation in the middle grades that are based on students' everyday experiences.

10:30 AM– 11:00 AM  
Great Minds Booth  
(#725)

### **Discourse<sup>2</sup>: Inspire Discussions with Wordless Videos (All Grades)**

See how *Eureka Math*<sup>2</sup> math context videos provide students with opportunities for peer-to-peer discourse and with a chance to engage in low floor/high ceiling activities focused on real-world applications of the math they're learning.

11:30 AM– 12:00 PM  
Great Minds Booth  
(#725)

### **Accessibility<sup>2</sup>: How Readability, Learning Supports, and UDL Create Entry Points for All Students (All Grades)**

*Eureka Math*<sup>2</sup> advances equity by putting into practice research that provides teachers with specific strategies to address learner variance. See how we've made math exponentially more accessible so all students can access grade-level content.

1:00 PM–2:00 PM  
Session #109  
Room 503

### **In Their Own Words: Getting the Most out of the Lesson Objective (Grades 3–5)**

**Lauren Moore | Jonelle Godfrey**

"Today we are going to learn about..." Lessons frequently begin this way, expecting students to make meaning of the day's work before engaging with the lesson content. Let's instead examine a lesson structure in which students self-monitor learning throughout the lesson. Students arrive at an authentic understanding of concepts, become keenly aware of incremental complexity from one lesson to the next, and recognize growth in their own mathematical knowledge.

1:00 PM– 1:30 PM  
Great Minds Booth  
(#725)

### **Rekenrek Counting: As Easy as 1-2-3 (Grades K–3)**

See how the Rekenrek can be used to engage students of all ages in various counting activities and to support computational fluency. With the physical model or the virtual manipulative, learn how to engage young students and help them visualize addition and subtraction.



## Thursday, September 29 (Continued)

2:30 PM– 3:30 PM  
Session #146  
Room 411

### **Making Grades Meaningful: A Pitch for Proficiency in a Sea of Percentages (Grades 6–8)**

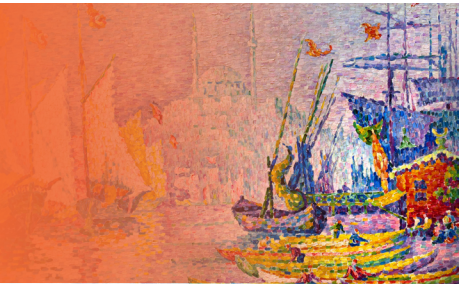
**Jennifer Tadlock | Monica Clark**

A student who earns 6 points out of 10 on a quiz typically walks away with one message: I failed. But that student earned more than half of the points possible, and likely showed signs of proficiency with some concepts. This session explores key elements that comprise a proficiency-based grading system and what it looks like in practice.

3:00 PM– 3:30 PM  
Great Minds Booth  
(#725)

### **Math Fluency: It's in the Cards (All Grades)**

Learn engaging card games to help students gain fluency—in class and at home—at all levels of math learning and see how card games can help encourage student discourse and provide them with distributive practice.



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## Friday, September 30

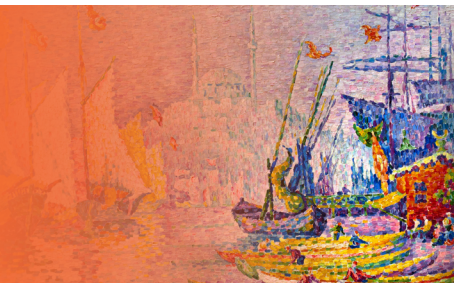
- 8:00 AM – 9:15 AM  
Session #225  
Room 150BC
- The Forgotten Standards: Engaging Students with the MPs (Grades 3–5)**  
**Kori Morrow | Dreama Carroll**  
Are the standards for mathematical practice (SMP) a mystery? Do you worry about helping your students engage in these standards? Are you unsure how to distinguish SMP 7 from SMP 8? In this session, we demystify these standards and provide examples that show how even our youngest students can build up the mathematical thinking of the SMPs.
- 9:30 AM– 10:00 AM  
Great Minds Booth  
(#725)
- Exponentially Greater: What's New in Eureka Math<sup>2</sup> (All Grades)**  
We revolutionized math instruction with *Eureka Math*<sup>®</sup>—and now we've raised the bar to the second power. Join us to see how *Eureka Math*<sup>2</sup> maintains our reputation for focus, coherence, and rigor, while adding digital interactives, additional teacher support, and so much more to make it exponentially more joyful to teach and learn math.
- 9:45 AM – 11:00 AM  
Session #259  
Room 402
- Equity and Access through Counting Collections (Grades 3–5)**  
**Louisa Hodges | Maria Amaya**  
Young mathematicians are motivated by the challenge of organizing, counting, and representing collections. This session introduces counting collection trajectories, formative assessment tools that allow elementary teachers to understand and advance student thinking in grades 3–5.
- 10:30 AM– 11:00 AM  
Great Minds Booth  
(#725)
- Visibility<sup>2</sup>: Premodule and Embedded Assessments Reveal Student Understanding (All Grades)**  
See how the comprehensive *Eureka Math*<sup>2</sup> assessment system—including premodule diagnostics (with *Eureka Math*<sup>2</sup> *Equip*<sup>™</sup>) and formative and summative assessments—gives teachers a clear understanding of what students know so they can plan instruction accordingly.
- 11:30 AM– 12:00 PM  
Great Minds Booth  
(#725)
- Teachability<sup>2</sup>: Empowering Educators in the Digital Age (All Grades)**  
From the Module Overview, Topic Overview, Achievement Descriptors, and the Why section to daily presentation slides and an opportunity to annotate lessons digitally, the writers of *Eureka Math*<sup>2</sup> listened to teachers across the country to create the most teachable math curriculum ever.



## Friday, September 30 (Continued)

- 1:00 PM – 2:15 PM  
Session #324  
Room 408A
- Equity and Access through Counting Collections (Grades PreK–2)**  
**Maria Amaya | Louisa Hodges**  
Young mathematicians are motivated by the challenge of organizing, counting, and representing collections. This session introduces counting collection trajectories, formative assessment tools that allow elementary teachers to understand and advance student thinking in grades PreK–2.
- 1:00 PM – 2:15 PM  
Session #331  
Room 402
- Where Are the Words? Reducing Barriers Without Reducing Rigor (Grades 6–8)**  
**Lauren Trahan | Jenn Tadlock**  
Let go of the key words and make the mathematics more accessible through different modalities. For many students, WORDS are the problem with word problems. In this session, learn how to reduce the barrier written word problems can present while increasing relevance and engagement with meaningful contexts.
- 2:30 PM– 3:00 PM  
Great Minds Booth  
(#725)
- Exponentially Greater: What’s New in Eureka Math<sup>2</sup> (All Grades)**  
We revolutionized math instruction with *Eureka Math*<sup>®</sup>—and now we’ve raised the bar to the second power. Join us to see how *Eureka Math*<sup>2</sup> maintains our reputation for focus, coherence, and rigor, while adding digital interactives, additional teacher support, and so much more to make it exponentially more joyful to teach and learn math.
- 3:00 PM– 3:30 PM  
Great Minds Booth  
(#725)
- Engagement<sup>2</sup>: Digital Interactives with Eureka Math<sup>2</sup> (All Grades)**  
See how digital interactives were integrated into *Eureka Math*<sup>2</sup> to foster peer-to-peer discourse and deepen student understanding of math concepts while giving teachers visibility into student understanding.
- 3:30 PM– 4:00 PM  
Great Minds Booth  
(#725)
- Discourse<sup>2</sup>: Inspire Discussions with Wordless Videos (All Grades)**  
See how *Eureka Math*<sup>2</sup> math context videos provide students with opportunities for peer-to-peer discourse and with a chance to engage in low floor/high ceiling activities focused on real-world applications of the math they’re learning.
- 4:00 PM – 5:00 PM  
Session #370.1  
Room 410
- Breaking Down Readability Barriers in Mathematics (Grades PreK–2)**  
**Christine Hopkinson**  
A student’s relationship to math should not be dictated by their relationship to reading. We envision all students seeing themselves as mathematicians and independently engaging with math text. By using readability and accessibility tools, educators can re-center the cognitive load squarely on the mathematics and empower students to embrace the challenge of every problem. This session analyzes the barriers present in math texts for students with dyslexia, multilingual learners, students reading below grade level, and emergent readers. Educators will learn techniques to make text more readable and accessible while maintaining content rigor.





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## Saturday, October 1

8:00 AM – 9:00 AM

Session #397

Room 407

### **Strategies to Enhance Long-Term Learning (Grades 3–5)**

**Paula Sokolik | Emily Koesters**

Do your students forget what they have learned? Are you interested in strategies that will boost student learning and can be implemented in your limited class time? In this session, explore factors that impact what we remember and powerful strategies to improve learning retention.

8:00 AM – 9:00 AM

Session #398

Room 511AB

### **Teachers Talk Less... Students Talk More (Grades 3–5)**

**Dreama Carroll | Kori Morrow**

Learn how digital and video tools make math accessible and allow students to shine in ways they may not be able to through traditional means. The mathematics classroom is the ideal place for sharing ideas, discourse, and collaboration. Let students take center stage by engaging them with digital activities and demonstrations, and video materials worthy of study and discourse.

9:30 AM – 10:30 AM

Session #420

Room 407

### **Metacognition in the Mathematics Classroom (Grades 3–5)**

**Latonya Snell-Lockhart | Lauramarie Coleman**

Ever start off a math class by saying, “What did we do in math yesterday?”, only to be met with blank stares? Ever wonder how to support students in thinking about their own thinking in mathematics? In this session, we will explore instructional routines and strategies to engage students in metacognitive thinking skills.