

HIGH IMPACT MATH PD FROM YOUR COUCH

2021 MAKING MATH MOMENTS THAT MATTER VIRTUAL SUMMIT

Join 1000s of dedicated educators like you in this VIRTUAL SUMMIT guaranteed to provide you with high impact math strategies for your classroom.

25+ SPEAKERS | CERTIFICATES | REPLAYS

NOV. 13th & 14th

DON'T MISS
THIS FREE PD
EVENT

WHY REGISTER?



LEARN FROM GREAT EDUCATORS

We hand picked our all-star speakers because they've been where you are and can provide you with amazing ideas and resources for your classroom. Their sessions are aimed at the one thing we all want for our classrooms: How to help ALL learners in our math classes.



WATCH FROM ANYWHERE!

Watch the sessions from anywhere. On the couch, in your backyard with your feet up, or you could technically watch while you cut the lawn. Can't make it to every live session? No problem! Sessions will be recorded so you can watch them anytime throughout up to .



YOUR TICKET IS FREE (FOR A LIMITED TIME)

It's not every day that this group of highly qualified educators stops what they are doing to give you tips, ideas, activities, and resources. They've been in your shoes, and they want to give back to other educators who will influence the math education of our students. That's you!



EARN PD CERTIFICATES

We know that you value how you choose to spend your professional development time. That's why we're providing you a 1-hour PD CERTIFICATE for each session you watch.

HOW IT WORKS



REGISTER

Register, choose and add your sessions to your schedule (psst. adding them all is a good choice). Check your email for confirmation.



ATTEND

Show up live to the events you've chosen. ALL events will be held live on Zoom.

Showing up live will ensure you're engaging with speaker and

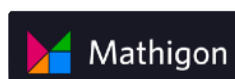


ACCESS THE REPLAYS

Access to watch the replay videos will last until the end of the weekend event (8PM EST November 14th, 2021).

We encourage all registrants to attend the live sessions. After the event has completed all replays will be placed inside the **Make Math Moment Academy**.

Proudly Sponsored by



[MAKEMATHMOMENTS.COM/SUMMIT](https://www.makemathmoments.com/summit)



SCHEDULE

Saturday November 13

10:00 AM EDT



Math Running Records: The GPS of Math Fluency Assessment LIVE

Dr. Nicki Newton 10:00 AM EDT

Basic Fact Fluency is something that elementary students around the world struggle with. Math Running Records is a research-based assessment that helps teachers to know exactly where students are achieving and where they are struggling. Get the data and drive to Success!

Grades K-10



Teaching Moves That Move Teaching

Nat Banting 10:30 AM EDT LIVE

If we forefront student sense-making, teaching mathematics becomes filled with split-second decisions about how to impact students' mathematical activity. In this session, we are going to slow down and analyze what guides and motivates our teaching moves. The goal, therefore, is to amalgamate the joy of doing mathematics together with an exploration of how we might teach among that activity.

Grades 6-12



A Cultural Journey Towards Equity

Sheldon L. Eakins Ph.D

11:00 AM EDT LIVE

Take a journey with Dr. Eakins as he shares his experiences as an educator living overseas and his introduction into culturally responsive practices. Session attendees will understand the value and impact of addressing our own biases in order to teach through a culturally diverse lens.

All Audiences



No More Problems with Problem Solving

Dr. Hilary Kreisberg

11:30 AM EDT LIVE

Problem solving: What can sometimes seem like the bane of our existence as math educators! Have you ever handed out a word problem to immediately hear "I don't know what to do" or "In this webinar, we will discuss why students struggle with problem-solving, how to recognize and choose appropriate high cognitive-demand tasks, why predictable routines enable students to approach a task more confidently, and ways to be linguistically responsive while teaching problem solving skills.

Grades 3-5

Saturday November 13



The Math Class That Thinks, Heals, and Brings Joy

Ed Campos Jr. 12:00 PM EDT LIVE

How do we welcome students back to a productive learning environment, while still addressing their (and our) needs to heal from the trauma we've all experienced through this pandemic. Collectively, we'll curate best practices on how to keep our students learning math, building community, healing, smiling and having fun. We'll pull from some of the latest research from Peter Liljedahl's "Thinking Classroom", CASEL's 3 Signature SEL Practices, and some of the therapeutic benefits of using Music in the classroom, and Zaretta Hammond's Culturally Responsive Teaching and The Brain.

Grades 3-12



What does Culturally Responsive Math Fluency Pedagogy Look Like?

Jennifer Bay-Williams 12:30 PM EDT LIVE

As teachers of mathematics, our primary goal is that each student become competent and confident in mathematics. Yet, traditional practices related to fluency, such as rote drill, memorizing procedures, and timed tests have the opposite impact. In this session, I share a collection of "Fluency Fallacies" and then share specific ways that we can and must be culturally responsive in teaching for real fluency. While the ideas apply to all operations, we will zoom in on multiplication.

Grades K-9



Math Without Mistakes

Dan Meyer 1:00 PM EDT RECORDED

The math education community has worked to destigmatize mistakes in recent years, yet it continues to diagnose as mistaken what is instead very purposeful student thinking. We'll learn about curriculum, technology, and strategies that celebrate and develop that thinking instead, helping learners grow in their math identity and knowledge.

Grades K-12



Why Stories Matter in the Math Classroom

Amy Alzauer 1:30 PM EDT LIVE

Stories are at the heart of being human, so they belong wherever human beings gather, but especially in the classroom. Stories inspire, expand our horizons (make them kinder and more beautiful), initiate new projects, and offer a common language to help build community. Author and university math teacher Amy Alzauer will talk about how math stories changed her life and then use her book The Boy Who Dreamed of Infinity to show how adventure, learning, and community might grow from a single story.

Grades 3-9

SCHEDULE

Saturday November 13

2:00 PM EDT



Collecting Real-Time Data to Make Real-Time Differences: Ideas For Formative Assessment

Beatrice Moore Luchin 2:00 PM EDT

Participants will learn simple, easy to implement strategies to assess students' understandings of mathematics concepts and skills before, during, and after the lesson. These strategies are designed to help the teacher pivot instruction in real time so that misconceptions, over-generalizations and error patterns do not have an opportunity to become permanent thought patterns! The use of graphic organizers, discussion strategies, and writing prompts will be the highlighted formative assessment strategies in this session.

LIVE

Grades 6-12

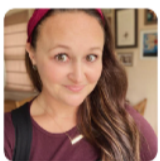


WonderMaths: Deep learning experiences for 8-11 year-olds

Junaid Mubeen 2:30 PM EDT LIVE

In 2017, Junaid set up a maths club, which has since gone virtual (www.oxfordmathsclub.com). The premise: to expose children to some of the most beautiful and powerful concepts in mathematics. Over time, we've developed more than 10 mini-courses (each 4-6 sessions long) on topics ranging from Topology and Game Theory to Card Magic and Cryptography. In this session I'll share my straightforward recipe for compiling these courses, and lessons learned so far about how to (and how not to!) engage schoolchildren with deep mathematical experiences.

Grades 3-9



Division Through the Years

Yvette Lehman 3:00 PM EDT LIVE

During this one-hour session, we will explore key elementary concepts of division from early fair sharing to proportional reasoning and solving two-step algebraic equations using context and models. Using tasks from MMM, we will unpack division along a developmental trajectory. I will share my personal journey with the two types of division, and how deeply understanding the behaviour of this operator has allowed me to unlock concepts that I previously struggled to understand.

Grades K-9

Saturday November 13



Becoming a Mathematics Focused Social Justice Educator

Dr. Kristopher J. Childs

3:30 PM EDT RECORDED

Come learn why one should become a mathematics focused social justice educator, how to engage students in meaningful mathematics focused social justice experiences, and the ideal conditions to create an authentic mathematics focused social justice focused classroom environment that allows students to thrive academically, socially, and politically.

All Audiences



The Surprising Importance of Early Math

Dr. Douglas Clements 4:00 PM EDT LIVE

Douglas H. Clements is Distinguished University Professor and Kennedy Endowed Chair in Early Childhood Learning at the University of Denver, Colorado, U.S.A. Dr. Clements has published over 166 refereed research studies, 27 books, 100 chapters, and 300 additional works on the learning and teaching of early mathematics; creating, using, and evaluating research-based curricula; and taking interventions to scale. He served on the U.S. President's National Mathematics Advisory Panel, the Common Core State Standards committee, and the National Research Council's Committee on early mathematics, and is co-author each of their reports

Grades K-5



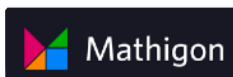
From Donuts to Popcorn: My Journey Writing for the MMM Community

Jordan Rappaport 4:30 PM EDT LIVE

Driven by a passion to support and grow mathematics education, Jordan believes we always need to be on the lookout for meaningful math moments that spark curiosity for learners in authentic ways. Join Jordan as he takes you on a journey from his early beginnings as an educator struggling to support students in mathematics, to discovering 3-Act Tasks while cleaning out his inbox, to growing into a curriculum writer for the Make Math Moments Community. In this session, Jordan will share his experience developing an idea inspired by his 4 year-old son, baseball and a large consumption of donuts, to a multi-day unit supporting educators and students across the Make Math Moments Community.

Grades K-12

Proudly Sponsored by



MAKEMATHMOMENTS.COM/SUMMIT



SCHEDULE

Sunday November 14

10:00 AM EDT



The Financial Life-Cycle: Using Math to Teach Financial Understanding
Philip Dituri 10:00 AM EDT

The financial life cycle hypothesis is a Nobel Prize winning theory about how individuals manage their finances over the course of their lifetime. This session shows how that theory can provide a coherent foundation for a high school mathematics course that teaches the central precepts of personal finance, while teaching students key topics and addressing standards typically covered in Algebra II.

Grades 6-12+



What Does Anti-oppressive Mathematics Education Look Like?
Jason To 10:30 AM EDT

LIVE

There is a growing awareness that culturally responsive teaching in mathematics is critical to removing long-standing barriers and meaningfully including underserved learners from historically and currently marginalized populations. In this session, we'll look at what equitable and anti-oppressive math education — both structurally and pedagogically — could look like in high school classrooms and schools.

Grades 6-12



Mathematical Wellness: Nourishing Ourselves With Storytelling and Math's Messy Middle
Sunil Singh 11:00 AM EDT

LIVE

One of the most negligent things that we have done in mathematics is that its purposes have always been directed externally to supporting and providing for society. This focus has also taken a toll on our students and teachers who must engage with mathematics through a lens of compliance, performance, and competition. Our energies have been consumed in this toxic landscape. But, our failure has been that we have neglected ourselves. What purpose does mathematics have with our life's journey? To answer that question we must approach math in a completely new way. We must embrace confusion and uncertainty with excitement and not trepidation. We must do this because it has been the entire historical narrative of the history of mathematics. We must reclaim its human power and purpose. **All Audiences**

Sunday November 14

11:30 AM EDT



Fostering Positive Students' Mathematics Identities and Success Via Equitable Teaching Practices
Marilyn Strutchens 11:30 AM EDT

In this session, participants will experience how children's literature and other culturally relevant contexts can be used to foster positive students' mathematics identities and success. Equitable teaching strategies will be highlighted. Participants will also examine student work and vignettes.

Grades 6-9



Assessing Beyond Right and Wrong
Tom Schimmer 12:00 PM EDT

LIVE

Math is about thinking, problem solving, and investigation; not just right and wrong answers. This session will focus on the assessment research, practices, and fundamentals that ensure Math assessment aligns with the goals of a 21st century classroom. From formative assessment to feedback to grading, our assessment practices must result in accurate grades and confident learners; learners who can think critically, creatively, and collaboratively that supports their growth with the 21st century competencies.

Grades K-12



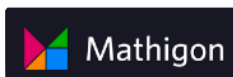
5 Reasons Students Hate Word Problems & What We Can Do To Fix IT
Kyle Pearce & Jon Orr 1:00 PM EDT

LIVE

Do you find students give up too easily when working on math problems that are unfamiliar? Do you find yourself stuck pre-teaching concepts to students BEFORE they have a chance to truly engage in the problem solving process just so they can "get through the problem"? Our constant pre-teaching of concepts is just one of the reasons students struggle with word problems and throw their hands up in frustration. In this session, you'll learn 5 reasons students struggle with word problems and what we can do to overcome this common math class challenge including how we can engage our students by planning and delivering lessons that ditch the "I Do, We Do, You Do" model of instruction to teaching through rich tasks to leverage student curiosity and promote resilience through problem solving.

Grades 3-12

Proudly Sponsored by



[MAKEMATHMOMENTS.COM/SUMMIT](https://www.makemathmoments.com/summit)



SCHEDULE

Sunday November 14

2:00 PM EDT



On Interdisciplinary Math Projects

Chris Nho 2:00 PM EDT **LIVE**

What are the current ways we think about integrating math into larger interdisciplinary projects? How might we think more creatively about this process? **Grades 6-12**



If You Let Your Students Surprise You, They Will

Eli Luberoff 2:30 PM EDT **LIVE**

For many students, math class embodies the opposite of surprise: getting the right answer and using the right way to get to that answer. It's a space where the goal is to say exactly what the teacher hopes to hear. But the most joyful learning—and teaching!—happens when we relish ambiguity, invite the unexpected, and let students surprise us with their varied brilliance. If we want deep learning, inclusive classrooms, and creative students, surprise is the secret ingredient. **Grades 6-12**



Look for the Math Around You

Steven Leinwand 3:00 PM EDT **LIVE**

Teachers have known for years the power of gradual reveal when teaching reading. It's time to apply this powerful strategy to mathematics. This session will look at using the gradual reveal strategy on word problems, data tables, graphs, patterns and geometric figures - all in support of generating higher levels of interest and learning. **Grades 3 - 12**

Sunday November 14

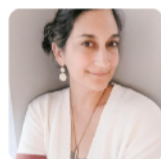
3:30 PM EDT



Mathematics Interventions: Ensuring Equitable Supports for Students

Tashana Howse 3:30 PM EDT **LIVE**

The purpose of teaching is student learning; using various assessments enables us to do so. The results of such assessments provide information that we cannot ignore. During this session, participants will engage in deep thought related learning progressions that equip us in identifying equitable supports for students. **Grades 6-9**



5 Strategies to Increase Access to Grade-Level Math

Chrissy Allison 4:00 PM EDT **LIVE**

How can you ensure rigorous, grade-level content is accessible for your students with unfinished learning from previous grades? The reality is that many middle and high school students come to us without the essential prerequisites from K-5, and you know you need to 'bridge the gap.' In this session, I'll share 5 of my favorite strategies to create an 'on-ramp' so all of your students can meaningfully engage in problems and tasks, no matter their starting point. Strategies are proven and practical, and real-life examples will be provided. **Grades 6-12**



Using virtual manipulatives to engage students in deep mathematical exploration and discovery

David Poras 4:30 PM EDT **LIVE**

Manipulatives can transform how students make meaning of important ideas by making abstract relationships visible, by teaching creativity and problem-solving, and by allowing students to explore and discover. Learn how virtual manipulatives can mirror these effects and support more complex interactions that are not possible in the physical world. **Grades 3-12**

Proudly Sponsored by

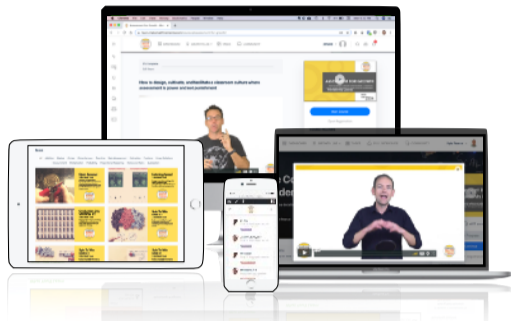


[MAKEMATHMOMENTS.COM/SUMMIT](https://www.makemathmoments.com/summit)



**MAKE MATH
MOMENTS**

ACADEMY



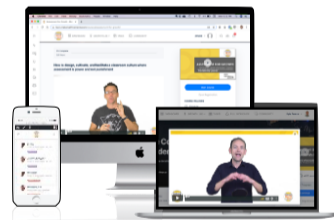
**Your Year-Round Online
Professional Learning Platform
Designed To Help Teachers Create
Memorable Math Moments Daily.**

Academy Features:

- ➔ **ACCESS TO 2021, 2020 & 2019 VIRTUAL SUMMIT CONFERENCE SESSION REPLAYS WITHOUT A TIME RESTRICTION**
- ➔ **YEAR-ROUND PROFESSIONAL LEARNING COMMUNITY FOR MATH EDUCATORS**
- ➔ **PROBLEM BASED LESSONS AND UNITS WITH TEACHER GUIDES AND WALKTHROUGHS FOR GRADES 3 THROUGH 10**
- ➔ **IN-DEPTH MINI-COURSES WITH A FOCUS ON MATH CONTENT KNOWLEDGE & EFFECTIVE TEACHING PRACTICE**
- ➔ **VIBRANT AND SUPPORTIVE COMMUNITY AREA**
- ➔ **AND MUCH MORE...**



**GUIDED PROBLEM
BASED LESSONS &
UNITS**



**CONTENT
KNOWLEDGE &
PEDAGOGY COURSES**



**VIRTUAL SUMMIT
CONFERENCE
SESSION REPLAYS**



**"FOREVER ACCESS"
TO YOUR 12-WEEK
PROGRAMS**

TO LEARN MORE & REGISTER:

MAKEMATHMOMENTS.COM/ACADEMY

**** SPECIAL PRICING ENDS NOV. 6, 2020 ****

\$339_{/yr}

2 Options:

\$24_{/mo} OR \$239_{/yr}

First 30 days free
(in USD)

For more information for school and/or district site-wide licenses, email:

admin@makemathmoments.com