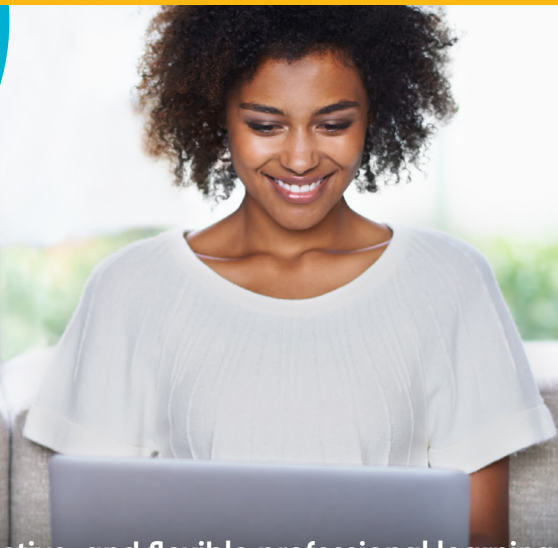


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Join us for a live, interactive, and flexible professional learning opportunity to network with peers while exploring new ideas in an online environment.

CREATING MATH MINDSETS: AN EQUITABLE EQUATION FOR ALL LEARNERS

VIRTUAL MATH SUMMIT | THURSDAY, MAY 14, 2020



Dr. Matthew R. Larson



Dr. Juli K. Dixon



Dr. Edward B. Burger



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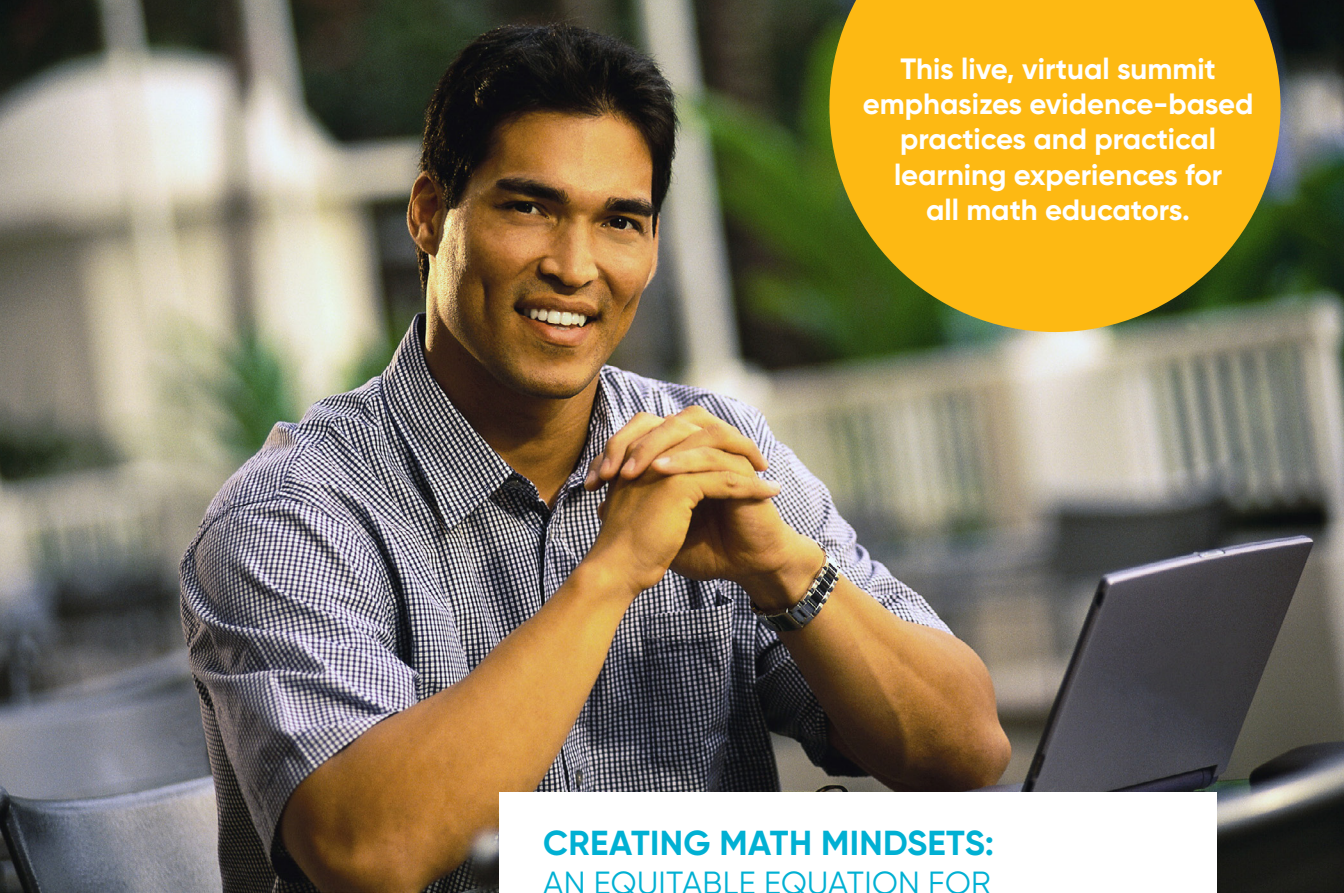
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This live, virtual summit emphasizes evidence-based practices and practical learning experiences for all math educators.

WHEN

Thursday, May 14, 2020

Flexible options starting at 9:30 am
and concluding at 4:00 pm

WHERE

Virtual Webex

HOW

[Click Here to Register](#)

REGISTER BY

Friday, May 8, 2020

(Virtual seating is limited.)

CREATING MATH MINDSETS: AN EQUITABLE EQUATION FOR ALL LEARNERS

The goals are fundamental: elevating teacher effectiveness and student outcomes, and cultivating acceleration that leads to personal growth. **HMH®**, **The Learning Company™**, invites all math educators and educational leaders to a virtual professional learning opportunity to help reach these goals while addressing the current priorities of at-home learning.

Virtual Summit attendees will

- **Build a personalized agenda** based on a variety of topics and times to accommodate needs and schedules
- **Hear from thought leaders and practitioners** on effective math practices to support all students in the classroom and in a virtual environment
- **Engage with research-based solutions** that accelerate today's learners and cultivate a growth mindset in mathematics
- **Receive professional learning certificates** based on completing a minimum of three sessions

Plan to join us for this opportunity to discover solutions that deliver results and to celebrate a culture of math achievement.

CREATING MATH MINDSETS: AN EQUITABLE EQUATION FOR ALL LEARNERS

Virtual Math Summit Thursday, May 14, 2020

SCHEDULE

Customize your learning experience during the registration process by selecting from these sessions based on your needs.

FEATURED SPEAKERS	
9:30–10:45 AM Executive Leadership Session Predicting the COVID Gap (Grades K–12)* <i>Dr. David Bain, Dr. Bonnie Cochran, Dr. Amanda Patterson, Dr. Stephan Knobloch</i>	9:30–10:45 AM The Five Elements of Effective Thinking: Inviting Students to Grow through Their Mathematical Journey (Grades K–12) <i>Dr. Edward B. Burger</i>
11:00 AM–12:15 PM Fighting Fixed Mindsets: Five Shifts for Teaching and Learning Mathematics (Grades K–12) <i>Dr. Juli Dixon</i>	2:30–4:00 PM The State of Mathematics: Ensuring Mathematical Success for All (Grades K–12)* <i>Dr. Matt Larson</i>
INSTRUCTIONAL PRACTICE SESSIONS	
12:30–1:15 PM Virtual Table Talk: Standards Front of Mind* (Grades K–12) <i>Angela Wolfe, Guest Educators</i> <i>Note: This session for Florida educators.</i>	1:30–2:15 PM Virtual Table Talk: Standards Front of Mind* (Grades K–12) <i>Angela Wolfe, Guest Educators</i> <i>Note: This session is for Alabama, Georgia, and Puerto Rico educators.</i>
Algebraic Thinking in the 21st Century Classroom (Grades 6–12) <i>Anthony Little, Dr. Kris Childs</i>	Algebraic Thinking in the 21st Century Classroom (Grades 6–12) <i>Anthony Little, Dr. Kris Childs</i>
Number Talks: Fractions, Decimals, and Percentages (Grades K–5) <i>Diane Reynolds, Lisa Rogers</i>	Number Talks: Fractions, Decimals, and Percentages (Grades K–5) <i>Diane Reynolds, Lisa Rogers</i>
Differentiation Tools in a Blended Environment for English Learners (Grades K–12) <i>Giselle Carpio-Williams, Zulma Cifuentes</i>	Differentiation Tools in a Blended Environment for English Learners (Grades K–12) <i>Giselle Carpio-Williams, Zulma Cifuentes</i>

*Recommended session for educational leaders



Professional learning certificates will be awarded to participants who complete a minimum of three sessions, including one featured speaker session, one instructional practice session, and a session of choice.



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SESSION DESCRIPTIONS

Featured Speaker Sessions

Executive Leadership Session: Predicting the COVID Gap*

*Grades K–12, Dr. David Bain, Dr. Bonnie Cochran
Dr. Amanda Patterson, Dr. Stephan Knobloch*

As an educational leader your priorities have likely shifted in response to the current circumstances with COVID-19, and you are beginning to look at problem-solving for the upcoming school year. In this session, leaders will engage in a discussion designed to help districts predict and respond to student needs upon return to school in the post-COVID learning landscape. Predictive modeling scenarios will be provided for anticipating, responding to, and reducing the exacerbated achievement gaps that will likely develop during this extended period of non-traditional instruction. Leaders will explore solution-oriented approaches for curriculum, instruction, and intervention strategies and also explore approaches for utilizing personalized technologies in synchronous and asynchronous environments to maximize and accelerate student learning.

The Five Elements of Effective Thinking: Inviting Students to Grow through Their Mathematical Journey

Grades K–12, Dr. Edward B. Burger

Independent of the course or subject matter, what are we, as educators, trying to accomplish in our classrooms and beyond? Here we offer lessons that can stay with students twenty years after their formal education is over—and that can change their lives. Join this session to learn about best practices for enriching your math curriculum and explore activities useful at all grade-levels that encourage deeper understanding of key mathematical concepts.

Fighting Fixed Mindsets: Five Shifts for Teaching and Learning Mathematics

Grades K–12, Dr. Juli Dixon

The instructional choices teachers make affect not only their classroom lessons but also the way students feel about their ability to learn mathematics. Dr. Dixon asks, “Do your school and classroom norms fight fixed mindsets or support them?” Participants will make sense of five classroom culture shifts to support students while engaging in mathematical practices. By examining school and classroom structures that might inhibit growth mindsets, teachers discuss ways to adjust those structures. Dr. Dixon helps create a shared image of what it looks like when students are set up to succeed.

The State of Math: Ensuring Mathematical Success for All*

Grades K–12, Dr. Matt Larson

The issues and arguments concerning what mathematics to teach and how to teach it today are as old as the United States itself. If we are to make progress improving the mathematics learning of every student, we must stop recycling the same old strategies. This session will engage participants in exploring implications from the past for our work today as we create learning opportunities for every student and effectively communicate to parents and the public what meaningful mathematics learning looks like today—and why it is important.

*Recommended session for educational leaders



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CREATING MATH MINDSETS: AN EQUITABLE EQUATION FOR ALL LEARNERS

Virtual Math Summit Thursday, May 14, 2020

Instructional Practice Sessions

Virtual Table Talk: Standards Front of Mind* *Grades K–12, Angela Wolfe, Guest Educators*

Join in a math community discussion with fellow educators from your state as we take a look at current math standards that may be considered difficult to master and discuss approaches for teacher readiness. In this participant-led session, discussions will be facilitated to explore a vertical and horizontal walkthrough while highlighting key math standards. Come ready to share your thoughts and hear from fellow educators on what strategies they plan to employ for success.

Differentiation Tools in a Blended Environment for ELL Students

Grades K–12, Giselle Carpio-Williams, Zulma Cifuentes

Learning mathematics demands that students make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments, and critique the reasoning of others' arguments, and model with mathematics. Therefore, students need opportunities to develop academic and domain-specific language and practice communicating their own thinking, in addition to understanding each other's ways of thinking. In this session, participants will learn instructional practices to differentiate math instruction and provide proven scaffolds to benefit ELL students.

Number Talks: Fractions, Decimals, and Percentages

Grades K–5, Diane Reynolds, Lisa Rogers

It is summertime, and we are ready to talk! This hands-on, high-impact session focuses on number talks that build conceptual understanding of fractions, decimals, and percentages. Participants learn how to use this routine as a vehicle to focus on the essential understandings of rational numbers and develop a robust fluency. Leave this experience with number talks with proven success that you will want to consider for your classrooms.

Algebraic Thinking in the Twenty-First-Century Classroom

Grades 6–12, Anthony Little, Dr. Kris Childs

The [NCTM](#) states, "Algebraic thinking includes recognizing and analyzing patterns, studying and representing relationships, making generalizations, and analyzing how things change." In this session, participants will deconstruct this definition to experience new ready-to-use-strategies for today's learners and come to understand the importance of employing the right instruction at the right time. Explore methods to motivate and build the mind-set needed for students to recognize patterns in math and in their own learning.

**Recommended session for educational leaders*



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FEATURED SPEAKERS



Dr. Matt Larson is a senior fellow and thought leader at Math Solutions, a division of Houghton Mifflin Harcourt, as well as a past president of the National Council of Teachers of Mathematics. He served as the K–12 mathematics curriculum specialist for Lincoln Public Schools (Nebraska), for which he is now the associate superintendent for instruction. A prolific speaker and writer, Larson was a member of the writing teams for the major publications *Principles to Actions: Ensuring Mathematical Success for All* (2014) and *Catalyzing Change in High School Mathematics: Initiating Critical Conversations* (2018).



Dr. Juli Dixon is a professor of mathematics education at the University of Central Florida (UCF). She is focused on improving teachers' mathematics knowledge for teaching so that they can communicate and justify mathematical ideas. Prior to joining the faculty at UCF, Juli was a secondary mathematics educator at the University of Nevada, Las Vegas, and a public school mathematics teacher in urban school settings at the elementary, middle and secondary levels. She received a bachelor's degree in mathematics and education from SUNY Potsdam, a master's degree in mathematics education from Syracuse University and a doctorate in curriculum and instruction (with an emphasis in mathematics education) from the University of Florida.



Dr. Edward B. Burger is the president of Southwestern University, a former Francis Christopher Oakley Third Century Professor of Mathematics at Williams College, and a former vice provost at Baylor University. He has authored or coauthored more than 65 articles, books, and video series; delivered more than 500 addresses and workshops throughout the world; and made more than 50 radio and television appearances. He is a Fellow of the American Mathematical Society and has earned many national honors, including the Robert Foster Cherry Award for Great Teaching in 2010. In 2012, Microsoft Education named him a "Global Hero in Education."



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