

May 2023



Kansas Association of Teachers of Mathematics

Bulletin

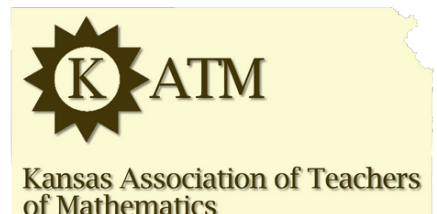
Have you heard about Building Thinking Classrooms?

KATM is very excited to host two days of learning with Dr. Peter Liljedahl, the author of *Building Thinking Classrooms in Mathematics: 14 Teaching Practices for Enhancing Learning!*

On July 29 and 30, Dr. Liljedahl will be sharing his research about how to get students thinking, instead of mimicking in the math classroom. Dr. Liljedahl's research includes information about the most effective ways to get students thinking including the best types of tasks, how to form collaborative groups, where students work, how to arrange your classroom, how to use hints and extensions, and much more!

[Click here for information about how to register!](#)

Read More →





President's Message

Thank you to the 125 participants who attended the 2023 KATM Annual Conference! A special thanks to those who shared your expertise and experiences as a presenter! This was a wonderful day of connecting with PreK-12 teachers and college mathematics teacher educators across Kansas. If you want to publish these ideas, see the KATM Special Issue Bulletin announcement coming soon!

Another school year has come and gone! As always this is a great time to reflect on successes and challenges and look for opportunities for growth! KATM would like to be a part of your continuous learning process and we have a few opportunities this summer for us to engage together!

KATM is also hosting a professional learning opportunity with Peter Liljedahl, on July 29-30, learning more about Building Thinking Classrooms. See page three of the Bulletin for more information and a link to register! This is an exciting opportunity for Kansas math teachers. We look forward to coming together to continue to enhance our students' mathematical learning experiences.

We are excited to announce our first publication of KATM's Special Issue Bulletin coming this fall! The purpose is to continue to engage mathematics teachers in learning about research-based, tested, best practices and how to implement them in their classrooms. We will spotlight examples of effective mathematics teaching, share strategies, challenges, and successes, and provide a space for mathematics teachers and researchers to share high-quality, teacher-tested, instructional ideas, and examples as well as findings from research findings and recommendations. We will have categories such as 'take and use,' 'theory to practice,' 'book reviews,' and 'action research'. Be on the lookout - your Zone Representative will be emailing you soon with information about the submission process. We will also post on social media and our website. We know you are doing AMAZING things in your classroom; this is a great opportunity to share! If you have an idea but aren't sure about writing about it, submit a proposal and we can connect you with someone to help brainstorm ideas and co-author a submission.

As always, please follow KATM on Facebook and engage with our website, as you have access to multiple NCTM articles, past Bulletin issues, and opportunities for scholarships! Enjoy your much-earned time to recharge!! Hope to see you in July!

Julie Thiele
KATM President

SAVE THE DATE

JULY 29 AND/OR JULY 30

- Bonner Springs High School
- Cost: \$199/day until May 15, then price increases to \$219
- Lunch provided

BUILDING THINKING CLASSROOMS

Training by Peter Liljedahl

hosted by Kansas Association of Teachers of Mathematics

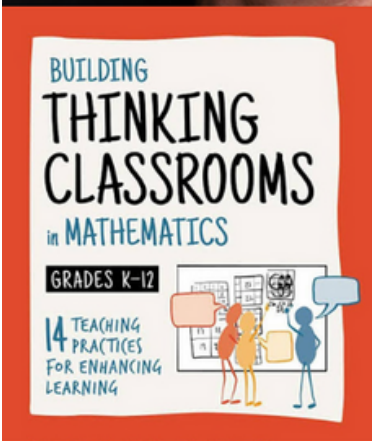
Registration is open!

Saturday, July 29: Introduction to Building Thinking Classrooms

Much of how classrooms look and much of what happens in them today is guided by institutional norms laid down at the inception of an industrial-age model of public education. These norms have enabled a culture of teaching and learning that is often devoid of student thinking. In this session, Dr. Liljedahl presents some of the results of over 15 years of research into how teachers can transform their classrooms from a space where students mimic to where students think. The practices discussed will intertwine with, and make extensive references to, the recently published book, *Building Thinking Classrooms in Mathematics (Grades K-12): 14 Teaching Practices for Enhancing Learning*.

Sunday, July 30: Digging into Building Thinking Classrooms

Dr. Liljedahl's research shows that when students work on thinking tasks in random groups on a vertical whiteboard, they are capable of co-creating incredible amounts of mathematical meaning and collective knowing-and-doing. In this session, Dr. Liljedahl looks at the Thinking Classroom practices that help students move this collective knowing-and-doing into individual knowing-and-doing while, at the same time, beginning to take responsibility for their own learning. The practices discussed will intertwine with, and make extensive references to, the recently published book, *Building Thinking Classrooms in Mathematics (Grades K-12): 14 Teaching Practices for Enhancing Learning*.



It's not too late to apply for a KATM Scholarship! It's never been so easy to apply!



Would you like to serve on the KATM board?

KATM is always looking for people to fill appointed and elected positions. If you are interested in serving on KATM and helping us accomplish our goals, [click here to submit a nomination.](#)



Apply for the Capitol Federal Scholarship by June !!

Here is the place to get information about applying for the Capitol Federal scholarship. It is awarded to a KATM member each year and it is so easy to apply!



Kansas Association of Teachers of Mathematics

Margie Hill New Teacher Scholarship--Deadline: June 1

After a well-spent lifetime growing her family, serving her community, and adding to the profession of mathematics education, Margie Hill passed away on September 21, 2021. Margie was a teacher first, investing time and skill in her students. She next invested in other teachers, serving as District Coordinating Teacher of Mathematics. Later investments of her energy and knowledge were made directly into future teachers as a Master Teacher in the UKanTeach Program at The University of Kansas. No matter her role or capacity, Margie was a model of what it meant to know one's values and, with focus and ferocity, let them guide one's actions. Because of Margie's dedication to preservice and new teachers KATM presents this scholarship opportunity.

Who: New teachers, first through third year, who are members of KATM and teach in Kansas.

What: \$250 funding.

For What: Funding may be used for tools, manipulatives, resources, professional learning or other means of supporting mathematics.

How: Submit a proposal outlining specifically how the funds would be used to support mathematics. Attach two letters of support, one from an administrator and the other from a colleague.

Submit proposals to Betsy Wiens, 2201 SE 53rd, Topeka, Kansas, 66609, or betsy.wiens@gmail.com by June 1.





Meet the nominees for KATM Board

Angela Broaddus--President Elect

Angela Broaddus, Ph.D., is an associate professor of mathematics at Benedictine College, where she teaches mathematics and mathematics education courses. Earlier in her career, she taught middle and high school mathematics in public and private schools for 15 years. Through her work with students, she grew to appreciate how mathematics understanding develops and the nature of how different instructional and assessment programs support the attainment of mathematical proficiency. She pursued both of these interests from 2009-2016, as senior research associate in the Achievement and Assessment Institute at the University of Kansas. At Benedictine College, she enjoys working with prospective teachers, emphasizing the depth and breadth of content knowledge needed by teachers as well as acute awareness of how students may develop knowledge and show their understanding. Dr. Broaddus continues to develop her own teaching practice, particularly by offering students with various yet meaningful opportunities to demonstrate their knowledge. She seeks opportunities to work with teachers at all levels, not only to learn about their strategies but to assist them in meeting students' needs despite the many challenges they face. If elected to serve KATM as president-elect, Dr. Broaddus will happily listen to the voices of Kansas educators and collaborate with KATM leaders to ensure KATM remains a vibrant organization that supports excellence in mathematics teaching and learning across the state.

Dr. Michael Lawson--Vice President of College

Dr. Lawson is currently a Teaching Assistant Professor of Math Education at Kansas State University, where he works with elementary and secondary teacher candidates, graduate students, and the Center for STEAM Education and researches preservice teacher education, family engagement in K-12 math, and developing flexible teaching practices that support teacher and student learning. He began his educational career in Tennessee as a secondary mathematics teacher and instructional coach and later received his Ph.D. in teacher education at the University of Tennessee, Knoxville. During his graduate studies, he also facilitated professional development for K-12 math and STEM teachers in the East Tennessee region and supported state-wide STEM efforts through the East Tennessee STEM Hub. As a post-doctoral fellow at the University of Southern California, he also supported reform efforts in elementary mathematics teaching and learning through his work with the Herman and Rasiej K-5 Math Initiative. Dr. Lawson is excited by the opportunities that being the Vice President for College can provide and looks forward to working with college-level faculty and students across the state to strengthen mathematics teaching and learning in Kansas and beyond!



Meet the nominees for KATM Board

Lauren Ferguson--Vice President Middle School

I have been teaching since 2012. I have been an Interventionist (1 year), taught Kindergarten (1 year), taught 3rd grade (3 years), and taught Middle School Math (6 years). I have taught all three grade levels at Middle School. I am interested in this position because I love supporting teachers. I enjoy working with curriculum and helping others understand the standards and how to effectively teach them. I believe in order for teachers to be successful, they need opportunities to collaborate with other teachers. I have been a member of my school's Building Leadership Team for 6 years and have led many professional developments for our school. I am also a member of our District Math Curriculum and Assessment Team. While on this team, I have led professional developments related to curriculum development and teaching strategies. I am also a mentor teacher to new teachers.

Meshach McKnight----Vice President Middle School

School Year 2022-2023 marks Mister McKnight's 4th year as a K-12 Facilitator. He graduated with a Bachelor of Science degree in Mathematics and Computer Information Systems. After which, he received a Master's of Arts degree in Curriculum and instruction. He is currently serving as a Project Coordinator in Topeka Public Schools.

What are teachers saying about Building Thinking Classrooms?

If you're interested in what other teachers are saying about Building Thinking Classrooms, check out this discussion on the KATM Facebook page, and add your thoughts! Here is a sample of what people are saying.

"It has been transformative! I have seen student work and solutions that I never expected and never seen before. BTC gets my students to problem solve and think longer. They persevere in working on math."

[Click here to see the full discussion.](#)