

KATM Bulletin

Kansas Association of Teachers of Mathematics

2018 KATM Annual Mathematics Conference

October
2018

October 8, 2018

7:30 AM to 3:00 PM

Manhattan High School

2100 Poyntz Avenue

Manhattan, KS

Join us at our annual conference for Kansas mathematics educators to participate in engaging and interactive sessions.

Keynote session for all teachers with Karen Karp, author of NCTM series of articles on Rules that Expire.

Breakout sessions follow the keynote. Attendees will have a chance to attend four breakout sessions of their choice. See our KATM Facebook page information about conference Breakout sessions.

Visit katm.org for details on registration and online payment.

\$80 per participant, lunch included

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A Message from our President

Hi Kansas Math Educators!

I'm Todd Flory, and I have the honor of serving as the KATM President for the 2018-19 school year. I am a 4th grade teacher at Wheatland Elementary School in Andover, and am in my eighth year as an educator. Meeting math educators from across Kansas over the past few years, I am continually amazed by the innovation that is taking place in our math classrooms. I am looking forward to continuing to collaborate and learn from all of you!

Here are a few updates as we enter a new school year. Our KATM Conference is quickly approaching, but it is still not too late to register to attend. The theme for this fall's annual KATM conference is Rules May Expire; Understanding is Forever! The conference will take place on October 8, 2018, at Manhattan High School. Our keynote speaker will be Karen Karp, who will speak on the importance of teaching students to understand mathematical concepts, rather than having them rely on "tricks." You can learn more about Karen Karp and register to attend the conference [here](#). The day will be full of breakout sessions from math educators and leaders from across the state. They will be sharing their insights and new trends in math education, as well as hands-on strategies that can be applied immediately with students. It will be a fun and educational day!

Please join our [KATM Facebook page](#), if you haven't done so already. This is a great place to collaborate, share and gain ideas, and share the outstanding work that is happening in math classes across the state! You can also stay up on current math trends and the latest KATM news. The Facebook group is continuing to grow, and it is exciting to see a strong math Professional Learning Network expand online! Also, please follow [KATMwebmaster](#) on Twitter. Feel free to tag us when posting about the exciting things happening in your classroom!

As a new school year gets underway, it is important to remember that we are all better educators because of the people around us that support us and push us in new and positive ways. The KATM board and I are committed to serving as a resource for and supporting math educators across Kansas. Our work as Kansas math educators is of the utmost importance: molding minds to understand new mathematical practices and concepts and nurturing spirits to find the joy in discovery and become lifelong learners. Let us all support, learn, and collaborate with one another. Please reach out to me if there is anything I can do to help support you this school year.

Hope to see many of you at our October conference!

Todd Flory
KATM President
toddfory@katm.org

Dear Kansas Math Teachers,

Greetings from a new school year! I finally feel like I'm starting to settle in to a new school year! I hope your first several weeks of school have been as great! My start of the year has been interesting as I adjust to a new group of students, but I've got some great new classroom resources that are helping things so smoothly!

Last year we began having "business only" Bulletins.....this contains just the basics about KATM. But we still want to give access to all of our members to great teaching articles and tips. Rather than publishing them in the Bulletin, they will be featured on our Facebook page and available to you by logging in to your KATM account.

As always, we would love to hear from our members about other what is going on for you! Or, we would love to feature articles and lesson plans from our members if you have an awesome idea you'd like to share! You can email me at jennywilcox@katm.org with any suggestions.

Sincerely,

Jenny Wilcox

Join us for our annual KATM meeting session at our upcoming KATM fall conference. Hear the latest KATM news and happenings before you head out for some awesome breakout sessions!

What's your favorite teaching tip? What burning questions do you have?
Post them to our Facebook page!

The KATM Bulletin needs submissions from K-12 teachers highlighting the mathematical practices listed above. Submissions could be any of the following:

- ◇ Lesson plans
- ◇ Classroom management tips
- ◇ Books reviews
- ◇ Classroom games
- ◇ Reviews of recently adopted resources
- ◇ Good problems for classroom use
- ◇

Email your submissions to our Bulletin editor: jennywilcox@katm.org



Working for ALL math teachers across Kansas.

Get Connected with KATM and Fellow Educators On Facebook & Twitter



@KATMWebmaster

- Keep updated on Conference Updates.
- Keep updated on information about TWO Scholarships we give out each year!
- Keep updated about the changes to Kansas Math Standards.
- Talk with other educators about issues facing math educators.

Join our Facebook Group and follow us on twitter!

Call for Nominations!!!

The KATM Board is currently taking nominations to fill the following positions in the upcoming Board election. We are looking for educators that are interested in taking a leadership role in the field of Math Education throughout the State of Kansas. You can nominate yourself or someone that you know that has demonstrated a passion for advancing math in our state as well as someone that has a lot to offer in the way of supporting teachers. Please email Fred Hollingshead, Past President (hollingsheadf@usd450.net), with nominations and contact info of the nominee or fill out the online nomination form found at katm.org. Regular members in good standing are eligible for positions on the KATM Board. Nominations need to be completed by February. Elections will be held online at www.katm.org in March. A notice will be sent to remind you to vote.

Positions available for the upcoming election:

President-elect * 4-year term

The president-elect will serve for one year before then becoming president for a year, and then past-president for two years. The president-elect will assume the duties of president when needed. As president, the elected individual will preside over all KATM events and business meetings. The president will conduct the business of KATM as directed by the Executive Board and will represent KATM at a variety of functions, meetings, and conferences. The president is responsible for the overall functioning of the organization with assistance from the officers and Board members. As the past-president taking office in even-numbered years, this position will serve as the community relations representative for 2 years. This person shall be responsible for assuring communication between the Association and legislative, executive, and administrative branches of the government of Kansas.

Vice President – Middle School * 2-year term

The vice president for middle school will attend all meetings and conferences and will assist the president in conducting the business of KATM. Each vice president will also encourage membership and will promote issues of special interest to their level represented in addition to serving on various committees as assigned. The person elected to this position will act as a liaison to middle school teachers.

Vice President – College * 2-year term

The vice president for college will attend all meetings and conferences and will assist the president in conducting the business of KATM. Each vice president will also encourage membership and will promote issues of special interest to their level represented in addition to serving on various committees as assigned. The person elected to this position will act as a liaison to college teachers.

THE LELON CAPPS LECTURE SERIES

Inaugural Lecture

Join the Department of Curriculum & Teaching and a community of educators for a presentation featuring **Jennifer Bay-Williams**

**HOW TO GIVE
STUDENTS A STRATEGIC
ADVANTAGE... IN MATH
CLASS & BEYOND**

October 1, 2018

5:30 p.m.

Reception to follow

**Burge Union
Forum D**

KU Lawrence Campus

KU DEPARTMENT
OF CURRICULUM
& TEACHING
The University of Kansas

Learn more: ct.ku.edu/lelon-capps



Jennifer Bay-Williams, professor at University of Louisville, is a national leader in mathematics education, working with teachers & leaders for over 30 years.

She has been a member of the National Council of Teachers of Mathematics (NCTM) Board of Directors & is currently a member of the TODOS: Mathematics for All Board of Directors. Bay-Williams has authored 18 books, 40 journal articles, & 23 book chapters & has given more than 400 presentations & workshops.

This event is hosted by the Department of Curriculum & Teaching, with support from the School of Education and the Department of Mathematics.



Kansas Learning First Alliance Brings Membership Together to Learn About New Education Initiatives

The Kansas Learning First Alliance (KLFA) held an informative meeting on August 23, 2017 at the KNEA building in Topeka, Kansas. Laurie Curtis, KLFA President, welcomed representatives of 12 various educational organizations for the first meeting of the 2018-2019 academic year. Those attending support KLFA's mission "to unite the education community to improve our outstanding public education system, pre-K through higher education, to empower each Kansan to succeed in the diverse, interdependent world of the 21st century".

KSDE Commissioner, Randy Watson, provided an update on the Kansans Can School Redesign initiative. The initiative is based on outcomes set forth by the Kansas State Board of Education, emphasizing social-emotional factors measured locally, kindergarten readiness, individual plans of study, high school graduation and postsecondary success. Updates on the Mercury, Gemini I and Gemini II projects were provided regarding the creative models being piloted with an emphasis on project-based learning and community and school partnerships. Dr. Watson discussed the importance of partnering the wealth of available information our students have with meaningful experience and the importance of respectful and caring relationships between students and teachers. For more information see School Redesign. Related to the KESA process, a brief overview of a planned Star Recognition Program (Copper, Bronze, Silver, Gold, Diamond) to honor schools who are making gains in accreditation outcomes was introduced. Information was also shared related to the impact of risk factors districts encounter that can influence student success, such as cumulative poverty, mobility, and the percentage of students with special needs. Data on post-secondary success of students graduating from Kansas schools (by district) is available for review at Report Card: Post-Secondary Progress. It was announced that funding will be provided for all juniors enrolled in a Kansas public school to take both the ACT and WorkKeys exams free of charge starting spring 2019. For more information see ACT/WorkKeys.

A brief legislative update was provided regarding the midterm elections and it was emphasized that only 30% of registered voters voted in the midterm election. With a goal of civic engagement for Kansas students, all Kansas citizens must be mindful of the responsibility and civic duty to become informed and exercise the right to vote in the upcoming November election.

The Kansas Learning First Alliance is a coalition of 36 educational organizations in Kansas representing school boards, administrators, teachers, teacher educators, parents, the Kansas Board of Education, and the Kansas State Department Education. For more information about KLFA, visit the KLFA Website and/or look for "Kansas Learning First Alliance" on Facebook.

Future KLFA meetings scheduled for the 2017-2018 academic year are:

Thursday, October 11, 2018 9:30 am, at KNEA Building

Tuesday, January 10, 2019 9:30 am, at KNEA Building

Thursday, April 11, 2018 9:30 am, at KNEA Building

The X-1 Classroom

Will M. Dunn, Vice President High School

@willmdunn

In October of 1947 Chuck Yeager became the first person to fly faster than the speed of sound using the Bell X-1 rocket. This rocket was the byproduct of the National Advisory Committee of Aeronautics (NACA), the organization that would be disestablished and immediately resurrected as NASA. The X-1 could be considered the critical first and indirect step that led to our success in the moon missions.

By now we are probably all familiar with names of at least some NASA space programs (Mercury, Gemini, Apollo, Skylab, and beyond), as their names have been co-opted for use to describe the schools in our state seeking to redesign what form education can take. It's a noble endeavor, and I'm excited by its future. You can learn more about it at www.ksde.org.

My school is not, however, a redesign school. I am not part of the Mercury 7, or the Gemini I or Gemini II teams. Yet, that does not mean I am any less committed to the modern educational vision that fuels their own metaphorical rockets. In fact, and with knowing hubris, I have taken to thinking of my own classroom as an X-1 Classroom. Here are some ways I attempt to tap into a few of the facets redesign schools consider, even if only at the level of my classroom:

1.) Assessment- I have shifted my grading into a standards-based and mastery-based model. I do not grade participation, behavior, or attendance. There are no points or percentages to be found. The students know their objectives (mastery of standards), and I provide them feedback in their journey towards meeting those objectives. During the semester there is no failure, only feedback. Not all students learn at the same pace or in the same sequence. This system gives me the opportunity to honor their needs, and not the other way around.

2.) Curriculum- I have shifted away from traditional textbook sections and their corresponding homework pages. Instead, I've opted for low-floor, high-ceiling tasks. I believe students are benefited by moving from abstract to concrete. This is how critical thinking naturally enters the learning process. Many resources for these types of problems exist (including, yes, the textbook from time to time).

3.) Instructional Design- My newest endeavor to reshape my classroom involves making my students the center of the experience. I have become quite keen of Dr. Peter Liljedahl's (Simon Fraser University) research and his Thinking Classroom approach. I could say more, but for that you'll need to attend the annual conference in October! I'll be leading a session on this topic.

I have a lot of growing to do in these capacities; they are far from perfectly implemented and I won't pretend I know more than I do. I do know they are worth it. I would love to hear ways you are developing your own critical first and indirect steps, work that will help you, and us all, reach for the pedagogical stars.

Greetings from our new Vice President Elementary!

My name is Nikki Meier and I am the new vice president for elementary in KATM. I am excited to become a part of a reputable organization while learning and growing in my profession. I currently teach kindergarten in USD 437 at Farley Elementary. I have been a kindergarten teacher, a K-5 after school director, a substitute teacher, an active parent in the schools and a presenter over the past twenty years. I love learning and sharing learning with others. I look forward to serving you in this role and if I can be of any help, please reach out to me.

meiernic@usd437.net

I am excited to see the pendulum swing back to focusing on learning through play, especially for our littles. Play is learning. Here is a link for some ways to promote play in your classroom, even for older kids.

<https://my.nctm.org/blogs/lybrya-kebreab/2018/07/30/promoting-play-in-classrooms>



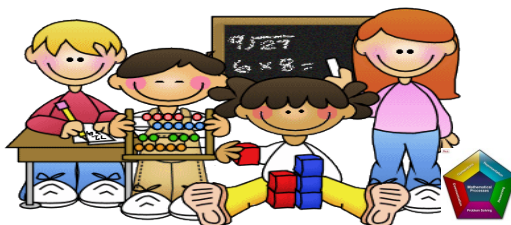
Looking for more inspiration? You can find all kinds of NCTM articles on the KATM website.

When you log in to our KATM website as a member, go to the Member's Corner tab. There you will see a section for elementary, middle and high school resources. In addition, there is a general resources section as well.

Here you can find all of the articles that have been highlighted in our Bulletins over the last several years!

What a great benefit for our KATM members!

KATM Cecile Beougher Scholarship ONLY FOR ELEMENTARY TEACHERS!!



A scholarship in memory of Cecile Beougher will be awarded to a practicing Kansas elementary (K-6) teacher for professional development in mathematics, mathematics education, and/or mathematics materials needed in the classroom. This could include attendance at a local, regional, national, state, or online conference/workshop; enrollment fees for course work, and/or math related classroom materials/supplies.

The value of the scholarship upon selection is up to \$1000:

- To defray the costs of registration fees, substitute costs, tuition, books etc.,
- For reimbursement of purchase of mathematics materials/supplies for the classroom

An itemized request for funds is required. (for clarity)

REQUIREMENTS:

The successful candidate will meet the following criteria:

- Have a continuing contract for the next school year as a practicing Kansas elementary (K-6) teacher.
- Current member of KATM (if you are not a member, you may join by going to www.katm.org. The cost of a one-year membership is \$15)

APPLICATION:

To be considered for this scholarship, the applicant needs to submit the following no later than June 1 of the current year:

1. A letter from the applicant addressing the following: a reflection on how the conference, workshop, or course will help your teaching, being specific about the when and what of the session, and how you plan to promote mathematics in the future.
2. Two letters of recommendation/support (one from an administrator and one from a colleague).
3. A budget outline of how the scholarship money will be spent.

Notification of status of the scholarship will be made by July 15 of the current year. Please plan to attend the KATM annual conference to receive your scholarship. Also, please plan to participate in the conference.

SUBMIT MATERIALS TO:

Betsy Wiens
2201 SE 53rd Street
Topeka, Kansas 66609

Go to www.katm.org for more guidance on this scholarship



Capitol Federal Mathematics Teaching Enhancement Scholarship

Capitol Federal Savings and the Kansas Association of Teachers of Mathematics (KATM) have established a scholarship to be awarded to a practicing Kansas (K-12) teacher for the best mathematics teaching enhancement proposal. The scholarship is \$1000 to be awarded at the annual KATM conference. The scholarship is competitive with the winning proposal determined by the Executive Council of KATM.

PROPOSAL GUIDELINES:

The winning proposal will be the best plan submitted involving the enhancement of mathematics teaching. Proposals may include, but are not limited to, continuing mathematics education, conference or workshop attendance, or any other improvement of mathematics teaching opportunity. The 1-2 page typed proposal should include

- A complete description of the mathematics teaching opportunity you plan to embark upon.
- An outline of how the funds will be used.

An explanation of how this opportunity will enhance your teaching of mathematics.

REQUIREMENTS:

The successful applicant will meet the following criteria:

- Have a continuing contract for the next school year in a Kansas school.
- Teach mathematics during the current year.

Be present to accept the award at the annual KATM Conference.

APPLICATION:

To be considered for this scholarship, the applicant needs to submit the following no later than **June 1 of the current year.**

- A 1-2 page proposal as described above.

Two letters of recommendation, one from an administrator and one from a teaching colleague.

PLEASE SUBMIT MATERIALS TO:

Betsy Wiens, Phone: (785)
862-9433, 2201 SE 53rd
Street, Topeka, Kansas,
66609



Do you like what you find in this Bulletin? Would you like to receive more Bulletins, as well as other benefits?

Consider becoming a member of KATM.

For just \$15 a year, you can become a member of KATM and have the Bulletin e-mailed to you as soon as it becomes available. KATM publishes 4 Bulletins a year. In addition, as a KATM member, you can apply for two different \$1000 scholarship.

Current members—refer three new members and you get one free year of membership!

Join us today!!! Complete the form below and send it with your check payable to

KATM to:
Margie Hill
KATM-Membership
15735 Antioch Road
Overland Park, Kansas 66221

Name _____

Address _____

City _____

State _____

Zip _____

Home Phone _____

HOME or PERSONAL EMAIL:

Are you a member of NCTM? Yes ___ No ___

Position: (Circle only one)

- Parent
- Teacher: Level(s) _____
- Dept. Chair
- Supervisor
- Other

Referred by: _____

KANSAS ASSOCIATION MEMBERSHIPS

Individual Membership: \$15/yr. ____

Three Years: \$40 ____

Student Membership: \$ 5/yr. ____

Institutional Membership: \$25/yr. ____

Retired Teacher Membership: \$ 5/yr. ____

First Year Teacher Membership: \$5/yr. ____

Spousal Membership: \$ 5/yr. ____

(open to spouses of current members who hold a regular Individual Membership in KATM)