

# KATM Bulletin

Kansas Association of Teachers of Mathematics

## SAVE THE DATE

KATM Annual Conference

October 8, 2018

Manhattan, KS

December  
2017

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## A Message from our President

Hello Kansas Math Educators!

It is hard to believe the end of the semester is almost here! I hope you are having a fantastic school year. I know you make a difference in the lives of your students each day.

It was great to see so many of you at the KATM Conference in October. Thank you to the conference committee, presenters, and our hosts at Seaman Middle School who made this event a success. It takes a lot of teamwork and time to pull off a successful event like the KATM Conference; I know it was a meaningful and inspiring day of learning for Kansas math educators. The 2018 conference will be held in Manhattan on October 8<sup>th</sup>. We hope you will make plans now to attend, learn and collaborate with your fellow math colleagues.

If you have not already, please join the [KATM Facebook page](#). This is a GREAT place to connect and collaborate with outstanding educators around our state. You will also be able to keep up to date on KATM news, book studies, and more. Please feel free to share ideas and good news about what is happening in your classroom. Please invite your colleagues to join as well. We love to hear stories of the great things happening in your classrooms!

Follow KATM on Twitter [@KATMWebmaster](#). Please tag us when sharing about the great things your students are learning in class!

KATM is hosting two book studies this year. There is still time to sign up to participate! The studies will launch in January. Sign up here if interested in joining: <https://tinyurl.com/y9ta9x3b>

Please contact me if there is anything I can do to support you throughout the year.

Best wishes for a restful, safe, and happy holiday season,

Stacey Ryan

KATM President

[staceyryan@katm.org](mailto:staceyryan@katm.org)

Dear Kansas Math Teachers,

Greetings from a new school year! I hope that these first several weeks of school have been as great for you as they have for me! I just love the start of school, and a fresh chance to start over. I've really loved some of the new things I've implemented in my classroom, and the kids are wonderful!

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 your 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](mailto:jennywilcox@katm.org) with any suggestions.

Sincerely,

*Jenny Wilcox*

KATM Bulletin Editor

The KATM Board meet on Sunday, October 15, at Seaman Middle School in Topeka.

KATM Board Committees met during the meeting to discuss their work. The Membership Committee recommended to remove "Institutional Membership" category from the Policy Manual. Of note is the increase in student memberships.

The Nominations Committee presented a slate of officers to be placed into nomination for the 2018-2019 year. Nominations are due February 1 and information can be found on the KATM website.

The Publications Committee urged us to submit articles for the Bulletin. The next Bulletin focus will be on the Math Practices, as well as the Teaching Practices. The KATM Vice Presidents were charged to find an article, write a "teaser" about the article and post it on Facebook and/or Twitter.

The Finance Committee reviewed the board policy in an effort to save some money. Recommendations will come to the board at the winter meeting.

The Board discussed the upcoming book study: *Intentional Talk* (grades K-3) & *Making Number Talks Matter* (grades 4-12). The consensus was to do a virtual book study with the Vice Presidents facilitating the discussion.



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](mailto: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](http://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](http://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 – Elementary \* 2-year term

The vice president for elementary 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 – High School \* 2-year term

The vice president for high 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 high school teachers.



## KLFA Update

### Kansas Learning First Alliance Updated on School Redesign and Future Ready Schools Initiative

The Kansas Learning First Alliance (KLFA) held an informative meeting on October 19, 2017 at the KNEA building in Topeka, Kansas. KLFA President Chair, Mark Farr, welcomed representatives of 13 various educational organizations for a day of collaborative conversation.

**KSDE Deputy Commissioner, Brad Neuenswander**, noted the KSDE School Redesign project is unique to Kansas, founded on feedback from a wide-range of stakeholders throughout the state and grounded in the Kansas State School Board's vision of leading the world in the success of each student. Participants were reminded of available data related to high school graduation and post-secondary school success that takes into account various risk factors that districts encounter. See: [Report Card: Post-Secondary Progress](#). He shared estimates are that by 2020 71% of jobs will require education beyond a high school diploma. Approximately 36% of those positions will need to be filled with someone who has a bachelor degree and nearly the same percentage will be required to hold a certificate or associate degree. Currently, we are very short in meeting these employment needs. School redesign efforts will allow districts to pilot innovative ways of preparing students for the future. Efforts will focus on all areas of preparation (academic preparation, cognitive preparation, technical skills, employability skills and civic engagement).

**Melinda Stanley, representing KanREN** shared information about the [Future Ready Schools initiative](#) which provides a structured framework to support school district efforts toward continual improvement and accreditation. The work is a collaboration between the USDoe's Office of Educational Technology and the Alliance for Excellent Education, with support from a coalition of national partners. The initiative focuses on assisting K-12 school districts to utilize digital learning opportunities to optimize every student's chance for success. The Future Ready Schools framework is aligned to the basic tenets of the state's new accreditation model, Kansas Education Systems Accreditation (KESA) and the available Future Ready School resources can help guide important conversations regarding establishment of district priorities.

All participants were encouraged to read the full [Kansas State Supreme Court ruling](#) regarding inadequate and inequitable school funding and to remain well informed of upcoming legislative issues related to education in Kansas.

The Kansas Learning First Alliance is a coalition of educational organizations in Kansas representing school boards, administrators, teachers, teacher educators, parents, the Kansas Board of Education, and the Kansas State Department Education. Please check the KLFA website to learn of upcoming opportunities for professional learning throughout the state and to share what your organization is doing. 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:**

Tuesday, January 9, 2018 9:30 am at KNEA Building; Thursday, April 12 9:30, 2018 am at KNEA Building

## KATM 2017 Annual Conference: Add to Your Mathematics Tool Belt!

Seaman Middle School was full of enthusiastic, motivated teachers on October 16, 2017. Almost 400 teachers, grades Kindergarten through college, were in attendance. Seaman Middle School was a wonderful venue for the conference and USD345 went out of its way to support the conference.

The conference began with our KATM general meeting where board members were introduced and scholarships were given. Two \$1,000 scholarships were awarded: The Cecile Beougher Scholarship for elementary teachers was awarded to Jennifer Stukey who has used the funds to attend a mathematics leadership institute. Shakiyya Bland was awarded the Capital Federal Scholarship. She is using funds to purchase STEM materials for her middle school classroom. The scholarship applications are not difficult and you can find both at [www.katm.org](http://www.katm.org).

Our keynote speaker was Andrew Stadel from Estimation 180. His opening session, Maximize Effective Math Instruction by Crafting A Powerful Tool Belt, focused on opportunities for teachers to learn instructional strategies in implementing problem-solving tasks. He also focused on strategies to strengthen number sense, and explored tools that support the mathematical thinking of diverse student populations. Later Andrew gave several breakout sessions including Boost Conceptual and Procedural Understanding with Rich Number Sense Tasks.

Melissa Fast from KSDE gave us all an update on the 2017 Math Standards and alignment resources. After the initial opening, teachers were able to attend four different sessions. There were many excellent sessions. We are so thankful for so many professionals who were willing to share their expertise with us!!

We were very excited to host ZONE meetings around the lunch hour. We listened to ideas from members and introduced our new book studies. Please connect with our Facebook group at Kansas Association of Teachers of Mathematics where we discuss topics of interest and share ideas/concerns. Also, follow us on twitter @KATMWebmaster.

Thank you to all who participated in the 2017 KATM Conference. Save the date for  
October 8, 2018 when our conference will be in Manhattan, Kansas.



## Growth Mindset

Amy Johnston, VP Elementary

As we all know, there are times when we feel confirmation that we are in the right profession and then there are times that we struggle to walk through the door to our classroom. After experiencing a long spell of personal questioning, I worked hard this past spring and summer to give myself a professional reset. Through this time of searching, I was consumed with the idea of growth mindset which was first discussed by Carol Dweck, but I was especially interested in how to use growth mindset in math. While I'm sure most educators are familiar with the idea of growth mindset, I want to take this opportunity to challenge you to go deeper in your growth mindset learning not only for your students, but also for yourself. Of my reading, the two books that made the biggest impact for me include: Mathematical Mindset by Jo Boaler and The Growth Mindset Coach by Annie Brock.

Jo Boaler challenged me to reflect on some of my classroom practices and ask questions of myself that in turn had a huge impact on my classroom this fall. One example Boaler pointed out is when we grade down for mistakes on students' math, we are sending the message that mistakes are bad while brain research has shown us that we actually want our students to make mistakes since that is how the brain grows. While I believe this, I felt challenged since I would still have to give a grade at the end of the quarter. Which led me to my next challenge, how would I help students (and parents) understand this mindset shift that I wanted to instill in my classroom? I began the year by teaching my 2<sup>nd</sup> graders about parts of their brain and what research has shown us about the brain. I used [youcubed.org](http://youcubed.org) for many of these lessons. They had great videos and activities to help younger students understand the science behind growth mindset. At our parent night, I introduced this concept to parents. I found that, just like the students, parents were intrigued with the research behind growth mindset and, in turn, supported it in the classroom. My next step was to keep the growth mindset as part of our daily classroom conversation. Annie Brock's book The Growth Mindset Coach then gave me the steps to focus on a "mantra" for the month. After teaching, what the mantra means and posting it in the room, we find opportunities during the month to reference and practice sayings such as "Everyone can learn." I have chosen to carve out a precious fifteen minutes of time each Monday to talk and review about Growth Mindset. There are many picture books and other resources available I have used during this time.

I would like to offer a challenge to my elementary teacher friends. Over the next few months, take the time to grow yourself professionally if not through growth mindset, then something that interests you. While we will all go through the days that we struggle to walk through the door, pushing yourself professionally will limit those times. I have felt a change in myself and my classroom through this journey and hope my journey has encouraged you to always be working to improve and renew your passion. We make a difference and we owe it to ourselves and our students to feel confident in our choice to teach when we walk through our classroom door.



## 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](http://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 53<sup>rd</sup> Street  
Topeka, Kansas 66609

*Go to [www.katm.org](http://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 53<sup>rd</sup>  
Street, Topeka, Kansas,  
66609



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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.

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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)