

KATM Bulletin

Kansas Association of Teachers of Mathematics

2017 KATM Annual Mathematics Conference

October
2017

October 16, 2017

8:00 AM to 3:30 PM

Seaman Middle School

5530 NW Topeka Blvd.

Topeka, KS 66617

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

Keynote session for all teachers with Andrew Stadel of Estimation 180.

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.

\$70 per participant, lunch included

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A Message from our President

Hello Kansas Math Educators!

My name is Stacey Ryan, and I am excited to serve you as the KATM President for the 2017-18 school year. I am a 7th grade math teacher at Andover Middle School, where I have been teaching for 17 years. I am honored to collaborate and learn with all of you this year!

Here are some exciting updates for our members:

- Now is the time to register and make plans to attend the annual KATM Conference! This year's theme is *Add to Your Mathematics Tool Belt*, and will be held at Seaman Middle School in Topeka, Kansas. Find out more about our Keynote speaker, Andrew Stadel, and register for the conference [here](#). The agenda is FULL of outstanding presenters who will be facilitating current topics, trends in math education, and ideas you will be able to implement in your classroom right away. You do not want to miss this opportunity to learn and collaborate with inspiring colleagues across the state!
- 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. It is exciting to see this community of educators growing and learning with one another!
- Follow KATM on Twitter [@KATMWebmaster](#). Please tag us when sharing about the great things your students are doing in class!
- KATM will be hosting two book studies this year. Zone reps will be in touch with more details on how to get involved, and information will be shared on the KATM Facebook page as well.
- Speaking of Zone Reps, members can expect to receive updates and news throughout the year about local events, book studies, and other announcements.

The KATM Board and I are committed to serving as a resource and supporting math teachers across the state. It is my hope that we will continue to collaborate with and learn from one another. Let's support each other as we work in our classrooms each day to help our students become confident mathematicians. Know that your work is important and makes an impact each and every day! I hope to meet many of you at the [conference](#) in October. Please contact me if there is anything I can do to support you throughout the year.

Best wishes for a fantastic school year,

Stacey Ryan
KATM President
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 with any suggestions.

Sincerely,

Jenny Wilcox

KATM Bulletin Editor

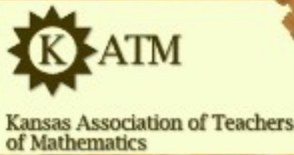
Join us for our annual KATM meeting session at our upcoming KATM fall conference. Hear the latest KATM news and happenings before you head

SAVE THE DATE:
October 8, 2018 is the date for next year's fall conference. It will be in Manhattan!

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 – 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.

KSDE Update

Upcoming Events

I wanted to let you know of a fantastic professional development opportunity for math educators and administrators in Kansas!

KSDE Math Regional Training Events

KSDE will be hosting **EIGHT** regional training events for Mathematics during the 2017 - 2018 school year.

Space is limited at each event so I would strongly encourage you to register as soon as possible to avoid missing out on this great opportunity to grow as a math educator!

[REGISTRATION LINK, SESSION DESCRIPTIONS, & GRADUATE CREDIT INFORMATION](#)

These events will:

- Be a full day trainings beginning at 8:00am and concluding by 4:00pm
-
- Have the same sessions so find the date that best fits your schedule
-
- Have sessions for administrators, elementary teachers/coaches, and MS/HS teachers/coaches
-
- Cost \$35 per attendee
-
- **Math** Graduate credit will be available for an additional fee

Dates and Locations have been set for the trainings:

- | | |
|--|---|
| <ul style="list-style-type: none"> • October 2, 2017 – Maize <ul style="list-style-type: none"> ○ Administrator ○ Elementary ○ MS/HS – Session is Full • October 9, 2017 – Lansing <ul style="list-style-type: none"> ○ Administrator ○ Elementary - Session is Full ○ MS/HS • October 23, 2017 – Olathe <ul style="list-style-type: none"> ○ Administrator ○ Elementary - Session is Full ○ MS/HS - Session is Full • November 6, 2017 – Fort Hays State University <ul style="list-style-type: none"> ○ Administrator ○ Elementary ○ MS/HS | <ul style="list-style-type: none"> • November 13, 2017 – Newman University <ul style="list-style-type: none"> ○ Administrator ○ Elementary ○ MS/HS - Session is Full • February 5, 2018 – Garden City <ul style="list-style-type: none"> ○ Administrator ○ Elementary ○ MS/HS • February 12, 2018 – Junction City <ul style="list-style-type: none"> ○ Administrator ○ Elementary ○ MS/HS • February 19, 2018 – Pittsburg <ul style="list-style-type: none"> ○ Administrator ○ Elementary ○ MS/HS |
|--|---|

Topics to be covered:

- **General Session for All:** 2017 Mathematics Standards and Power of Mathematical Growth Mindset
- **Administrator Session:** Introduction to the Mathematics Teaching Practices (High Leverage Teacher Actions), Curriculum Selection Process, and Shaping Formative Math Assessments to Work for You
- **Elementary Session:** Building Procedural Fluency from Conceptual Understanding in the areas of: **Fractions and Geometry**
- **MS/HS Session:** Building Procedural Fluency from Conceptual Understanding in the areas of: **Expressions and Equations**
-

KSDE Annual Conference

Preconference: October 11, 2017

Main Conference: October 12 – 13, 2016

Hyatt Regency/Century II

Wichita, Kansas

The theme for this year's conference is:

Kansans CAN: Imagine

The conference will showcase Kansas school success stories as well as address some of our schools' most significant challenges for the future.

Preconference KSDE Math Session:

Shaping Formative Math Assessment

Join this session to engage in conversations about how to structure formative assessments in mathematics to gain the information you want from your students. Too often assessments are seen as obstacles to be overcome for students or as tests to rate the performance of schools and teachers. Formative assessments should inform educators of students' understanding and what modifications should be made to instruction for greater impact. You will leave with some ideas to immediately use in your practice for providing a richer education for all students.

2017 Math Standards

The 2017 Math Standards were adopted by the State Board of Education in August 2017. They will be available by late September early October. There are a number of resources that KSDE will be producing to align with the 2017 Math Standards. Below is a few of the items as well as an estimated time of release. Check: <http://community.ksde.org/Default.aspx?tabid=5276> often for new materials that are available.

Document	ESTIMATED Release
2017 Kansas Mathematics Standards	September/October 2017
New vs Old Comparison Document	September/October 2017
K-12 Grade Level Focus Documents	Fall/Winter 2017
K-12 Parent Guides	Winter 2017
Flipbooks	January 2018
Reasoning & Quantitative Literacy Rubrics	Winter 2017
Appendix A	Winter 2017
Curriculum Adoption Selection/Process	Winter 2017

Implementation Plan for the 2017 Math Standards

- 2017-2018 School Year
-
- Zero year for reviewing new standards and planning of curriculum mapping.
-
- Assessment will be same as 2016-2017 school year
-
- 2018-2019 School Year
-
- Districts implement new standards in classroom
-
- Assessment will field test new items aligned to 2017 standards
-
- 2019-2020 School Year
-
- Full implementation in classroom and assessment

District Training Opportunities

KSDE consultants and/or trained trainers can come to your district and provide training around many areas in mathematics. The cost to districts is very minimal and often time free of charge is a KSDE consultant can deliver the training. The training will be customized to the needs of the district. To request a training please go to <http://community.ksde.org/Default.aspx?tabid=6280> for more details.

Transition to College Algebra Pilot

We are in year two of this pilot program in Kansas. Transition to College Algebra is a one-year course (a unit) to be delivered by the high school to seniors who will need College Algebra to meet their postsecondary goals, but require additional academic preparation to place into that course. It was developed by high school and two-year college math faculty, charged by the Board of Regents with creating a course to enable more graduating high school seniors to enroll in credit-bearing, college-level math courses when they start college.

The pilot course will provide valuable data regarding whether students who complete this Transition to College Algebra course qualify for direct placement into and successfully complete College Algebra, after enrolling in the college or university of their choice.

Below is a list of high schools and two year post-secondary institutions that are participating in the Pilot during the 2017-2018 school year as well as the year they began the pilot.

High School	Year Started	Post-Secondary Institution	Year Started
Andover High	2017	Barton County Community College	2016
Bonner Springs High	2016	Cloud County Community College	2016
Campus High	2016	Colby Community College	2016
Centre High	2017	Dodge City Community College	2016
Chanute High	2017	Flint Hills Technical College	2016
Clifton Clyde High	2016	Fort Scott Community College	2016
Columbus High	2016	Garden City Community College	2016
Complete High School Maize	2017	Hutchinson Community College	2016
Dodge City High	2016	Johnson County Community College	2016
Emporia High	2017	Kansas City Kansas Community College	2016
Erie High	2017	Labette Community College	2016
Fredonia High	2017	Manhattan Area Technical College	2016
Great Bend High	2016	Pratt Community College	2016
Hiawatha High	2017	Salina Area Technical College	2016
Holcomb High	2016	Wichita Area Technical College	2016
Hope High	2017	Flint Hills Technical College	2017
Ingalls High School	2016	North Central Technical College	2017
JC Harmon	2017	Independence Community College	2017
Macksville High	2017	Butler Community College	2017
Madison High	2016	Pratt Community College	2017
Manhattan High	2016	Manhattan Area Technical College	2017
Manhattan Virtual Academy	2017	Kansas City Community College	2017
Moundridge High	2016	Highland Community College	2017
Ness City High	2016	Garden City Community College	2017
Wichita North High	2016	Neosho County Community College	2017
Northern Heights High	2016	Wichita Area Technical College	2017
Pleasant Ridge High	2016		
Salina South High	2016		
Scott Community High	2017		
USD 247 Southeast High	2016		
USD 457 Garden City High	2016		
Victoria High School	2017		
White City High	2017		
Wyandotte High	2016		
Wyandotte High	2017		



KLFA Update

Kansas Learning First Alliance Brings Membership Organizations Together to Champion New Education Initiatives

The Kansas Learning First Alliance (KLFA) held an informative meeting on August 25, 2017 at the KNEA building in Topeka, Kansas. KLFA Chair, Mark Farr, welcomed more than 25 representatives of 17 various educational organizations who care deeply about the quality of education in Kansas. Member organizations highlighted at this meeting included AdvancED and the Kansas Gifted, Talented, Creative Organization, both sharing ways their organizations support the vision and mission of KLFA.

KSDE Commissioner Randy Watson provided an update on the Kansas 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. This initiative empowers districts to respond to the recent feedback gained from a wide range of community stakeholders throughout Kansas. Seven each elementary and secondary schools have been selected to pilot the initiative. For more information see [School Redesign](#). Commissioner Watson shared data related to high school graduation and post-secondary school success that takes into account risk factors districts encounter such as cumulative poverty, chronic absenteeism, mobility, English learner's populations, students with disabilities, suspension and expulsion and the percentage of new teachers. These data can bring clarity for districts as they set future goals for continuous improvement. See: [Report Card: Post-Secondary Progress](#).

Dr. Rick Doll and Dayna Richardson shared information regarding both the training of Outside Visitation Team members and chairs for the new Kansas Education Systems Accreditation (KESA) model that will begin this year. This 5-year accreditation cycle will be co-facilitated by the district's leadership team and an Outside Visitation Team (OVT) that has undergone training. There have been 233 chairs trained, with additional chairs needed. Those interested in more information on serving as an OVT Chair should contact Dr. Rick Doll at rdoll@ksu.edu.

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. The mission of KLFA is "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". For more information about KLFA, visit the KLFA [Website](#) and/or look for "[Kansas Learning First Alliance](#)" on Facebook.

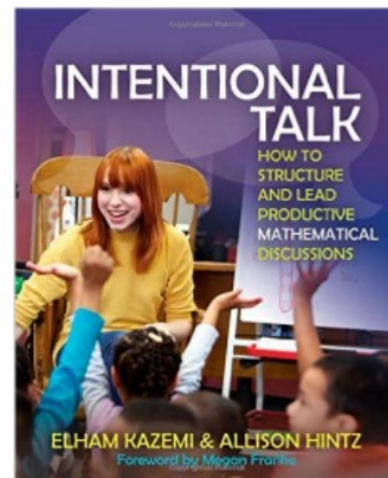
Plan to join KATM for a statewide book study. We will begin an elementary and secondary book study starting at our fall KATM conference.

Intentional Talk

by Elham Kazemi and Allison Hintz

K-5 resource

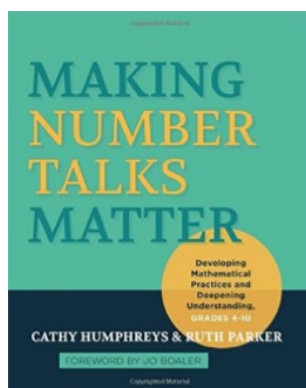
Not all mathematics discussions are alike. It's one thing to ask students to share how they solved a problem, to get ideas out on the table so that their thinking becomes visible; but knowing what to do with students' ideas where to go with them can be a daunting task. *Intentional Talk* provides teachers with a framework for planning and facilitating purposeful mathematics discussions that enrich and deepen student learning.



According to Elham Kazemi and Allison Hintz, the critical first step is to identify a discussion's goal and then understand how to structure and facilitate

elementary classrooms, the authors provide a window into what teachers are thinking as they lead discussions and make important pedagogical and mathematical decisions along the way. Additionally, the authors examine students' roles as both listeners and talkers and, in the process, offer a number of strategies for improving student participation and learning. A collection of planning templates included in the appendix helps teachers apply the right structure to discussions in their own classrooms.

Intentional Talk provides the perfect bridge between student engagement and conceptual understanding in mathematical discussions.



Making Number Talks Matter: Developing Mathematical Practices and Deepening Understanding for Grades 4-10

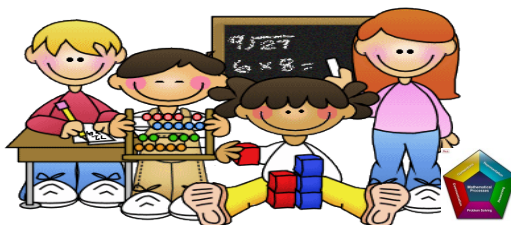
Making Number Talks Matter is about the myriad decisions facing teachers as they make this fifteen-minute daily routine a vibrant and vital part of their mathematics instruction. Throughout the book, Cathy Humphreys and Ruth Parker offer practical ideas for using Number Talks to help students learn to reason numerically and

already using Number Talks or not; whether you are an elementary, middle school, high school, or college teacher; or even if you are a parent wanting to support your child with mathematics.

Using insight gained from many years of doing Number Talks with students of all ages, Cathy and Ruth address questions to ask during Number Talks, teacher moves that turn the thinking over to students, the mathematics behind the various strategies, and ways to overcome bumps in the road. If you've been looking for ways to transform your mathematics classroom to bring sense-making and divergent thinking to the foreground, to bring the Standards for Mathematical Practice to life, and to bring joy back into your instruction this book is for you.

KATM Bulletin

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



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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)