



**Great Middle School Math at Your KC Doorstep  
KCATM Fall Conference – November 4, 2023**

8:15 – 8:45

**Registration and Check In**  
**Pick up programs**  
**Continental Breakfast**

**Room 115**

8:45 – 9:00

**Opening Session**  
**Learn about the conference – Last minute changes**  
**Meet the president – Rustin Reys**

**Room 118**

## BREAKOUT SESSIONS

9:10 – 10:00

### **Real World Math Experiences – Connecting Algebra to the Real World**

**Room 010**

This session will help you create and design ways to incorporate algebraic concepts that students can apply to their everyday lives and the world that they know. **Gabby Dedrick**

### **Using Google Forms to Create Assessments**

**Room 012**

Build a Google Form to automatically score individual or classroom tests. Watch as a paper test is translated to a Google form. Review types of questions and options available. **Sarah Hicks**

### **Linear Equations**

**Room 033**

Lines, slopes, intercepts, formulas, calculations, x & y coordinates. What should a graph look like? Test question examples will be provided. **Randy Peterson**

### **Taming the Beast**

**Room 244**

Intrigue and empower your students to understand the important use of fractions (rational numbers) including decimal and percent forms. Emphasis will be on vocabulary and analysis through collaborative meaningful tasks and quick research projects. **JoAnn Hiatt**

10:10 – 11:00

**Desmos**

**Room 010**

Desmos is a free, advanced graphing and teaching tool for math that's available on the web. This session will provide an introduction to the software and show how to use it to teach explorations in middle school math. **Holden Kraus**

**High Yield Routines**

**Room 012**

Use start-up questions to improve student learning and differentiation. The session is based on one of NCTM's best-selling books describing classroom routines that provide results. Books (hardcover or electronic) will be provided. **Sarah Hicks**

**Linear Equations and Kansas City Landmarks**

**Room 033**

Join us for a great community exploration of KC Landmarks and linear equations. **Carrie Hochgrebe**

**Race Car Algebra**

**Room 244**

Use race cars and other objects to set up and solve equations by manipulating objects on both sides of the "same as" (equals) sign. The manipulation leads to equation writing and solving using these same techniques. **JoAnn Hiatt**

11:10 – 12:00

### **ChatGPT**

**Room 010**

What issues – curriculum, behavior, whatever – bother you most in class? If you had the leading expert in the world by your side for a few minutes, what specific questions would you ask them? Let's ask them – and tailor our questions in such a way to help us right now! We'll use ChatGPT real time to deal with your issues. **Mike Round**

### **Math Contest Prep**

**Room 012**

This session will show you how to set up practice sessions, or even better, start a Math Club to prepare students for contests. KCATM hosts math contests for grades 4-12 in the spring and this session will provide sample questions and problems to help you challenge your students. **Sarah Hicks, JoAnn Hiatt, Joe Morse**

### **Thinking on Your Feet – Getting Students Up and Moving – Problem Solving Room 033**

This session will look at having students work collaboratively while solving math problems involving ratios, rates, and diagrams. **Annora Ray**

### **Unlocking Student Potential in Math: Practical Techniques, Empowering Messages, and Innovative Instruction**

**Room 243**

Using Jo Boaler's research-based concepts in the book, "Mathematical Mindsets" along with other research-based instructional strategies, this session will give you strategies to alleviate math fears and set students of all backgrounds on a path to achievement. The concepts and strategies presented in this session will offer hands-on methods and inspiring guidance to help math teachers prove to their students – even those who think they're not good at math, that they can excel and find joy in mathematical learning. **Sarah Finocchario and Holly McCarty**

12:00-12:15

**Closing Session**

**Room 115**

Wrap Up. Certificates. Door Prizes. **Rustin Reys**

12:15 – 12:45

**Resources**

**Room 034**

Having taught math for a very long time, the presenter is wanting to pass on resources for teaching to teachers who will make good use of them. Journals, magazines, games, puzzles, articles, books, and more, will be displayed around the room. All items are free and participants can take whatever they want. **Rita Barger**