



**Metropolitan Mathematics
Club of Chicago**
Affiliate of NCTM and ICTM

Virtual Conference of Workshops

Given by teachers for teachers

Saturday, February 13, 2021

8:30-12:10

Optional Post-Session Discussion 12:10-1:10

Free to Everyone

Donations accepted for Future MMC Professional Development

Professional Development Hours / CPDU Credits Available

Presented via Zoom

For all teachers of grades K-14

Registration required online at www.mmcchicago.org

**MMC Virtual Conference of Workshops
Program
February 13, 2021**

8:00 AM Virtual Cafeteria opens

8:30 Session 1

9:50 Session 2

11:10 Session 3

12:10 - 1:10 Post-Session Discussion in the Virtual Cafeteria

Registration is open now through February 6, 2021,
at www.mmcchicago.org.

Links for registered workshops will be emailed on February 7.

Registration questions can be sent to Peter DeCraene at MMCCConfRegistrar@gmail.com

The Virtual Cafeteria will be open throughout the Conference to gather and talk with other participants, or check with the Registrar or Conference Chairs.

A link to the Virtual Cafeteria will be emailed along with the links to registered sessions on February 7.

Evaluations and Professional Development Evidence forms will be emailed to participants after the conference.

- 1A** **7 (ate) 9: Multiple Ways to Factor in Oracy in Math**
Amber Denbo & Erin Gleason **K-8**
Learn why we need to emphasize oracy development in math. Engage in math instructional strategies that feature collaboration and language supports designed to build oracy for our multilingual students. Leave with a collection of tools that can be incorporated in your daily math instruction.
- 1B** **Toothpaste and Student Interactions!?! Fostering Equity via Routines, Structures, and Relationships**
Sean Nank & Jackie Murawska **6-8**
Have you ever been in a virtual or face-to-face classroom where you see a student silently withdrawing from interactions and conversations? Come discuss the importance of relationships in classrooms to foster equity for all students via concrete structures for social and emotional belonging. Learn how to create space so students can authentically make meaning of math.
- 1C** **Formative: Differentiate Assessment & Feedback**
Marti Shirley **6-12**
Wondering how to quickly assess student knowledge and provide feedback while using computers? Or are you looking for ways to use your existing resources more effectively? Join us for an exploration of differentiated instructional approaches and varied assessment techniques using Formative. Be ready with an existing worksheet, set of google slides or an activity (Quizlet, edupuzzle, Geogebra, FlipGrid, Gizmo, Desmos), time will be provided to experiment and work in breakout rooms. In this fast-paced session, you will learn how to incorporate multiple means of assessment and leave with ideas to implement immediately.
- 1D** **Let Regression Lead to Progression!!**
Scott Knapp **9-12**
Come explore activities where students use technology and regression models to interpret real-world data. Activities presented serve as a means to reinforce and preview new regression models. Regression types include linear, exponential, quadratic, and sinusoidal models. Let regression inspire progress!

- 2A** **Rich Virtual Resources for Primary Mathematics**
Annie Forest **K-2**
It can be a challenge to find high quality, rich resources for primary math. This session will focus on a curated selection of all free resources that can be used in the remote setting to help our youngest learners find joy in mathematics. From mathy picture books to virtual manipulatives, you are sure to walk away with some new ideas you can use right away!
- 2B** **Developing Engagement During Remote and Hybrid Learning Models**
Angela Marshall **6-12**
Students do not learn, let alone master concepts when they are not engaged. As the pandemic persists, it is requiring teachers to be more dynamic than ever and to employ skills that we have not gone to school for. To that end, key concepts will be shared that will lead to richer engagement so that teachers can get the most out of students when it comes to their content. The strategies/tips/tricks and suggestions have been vetting and can be used in the "classroom" right away.
- 2C** **Using Feedback to Empower Students with Desmos**
Scott Miller **6-12**
Have you wondered how to provide feedback to students that encourages them to persevere? Feedback is critical for learning, but not all feedback is created equal. Join me to experience, provide and create feedback to students that empowers them to think mathematically.
- 2D** **Google FORMative Assessment**
Neva Curry **7-13**
Learn how to create or how to enhance your Google Form reviews to help your students get the appropriate review they need and the necessary feedback they need to improve their skills.
- 2E** **Conceptual Problems for Calculus**
Ryan Sutherlin **9-12**
In this workshop, we will work through, discuss, and possibly design conceptual problems to be used in your calculus classroom. These problems involve multiple representations and are great "calculator neutral" problems to use in the remote/hybrid environment.

