



Fall/Winter Virtual Offerings

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October 2020: Engaging All Students

Date	Time	Speaker(s)	Title	Grade Band(s)	Description	Zoom Link
Thursday, October 1	4:00 PM	Ally Wojciechowski & Jessica Dowling	Engaging Activities in the Middle School Math Classroom	6-8, Math Coaches, Pre-Service Teachers	In this session, teachers and coaches will participate in activities that build a teacher's toolbox of engagement strategies. Participants will learn about and experience strategies to engage students in a variety of mathematical practices. Walk away with specific structures that you can immediately implement in your daily practice!	Will be sent in confirmation e-mail after registering
Tuesday, October 6	4:00 PM	Lisa Warner & Roberta Schorr	Motivating Desires and Problem Solving	3 - 5, 6 - 8, 9 - 12, Higher Education, Pre-Service Teachers, Math Coaches, Supervisors, Administrators, General Interest	Earlier research uncovers a multitude of "in the moment" motivating desires that accompany mathematical problem solving. These motivating desires evoke differing patterns of engagement and social interaction. In this presentation, we share our most current data (survey, individual interview, and focus group techniques) involving prospective K-6 teachers' motivating desires as they work in groups to solve mathematical problems.	Will be sent in confirmation e-mail after registering

Thursday, October 8	7:00 PM	Dominique Vetrano & Nicole Hreno	Facilitate Meaningful Mathematical Discourse in Elementary Classrooms	PK - 2, 3 - 5	Effective teaching of mathematics facilitates discourse among students to build shared understanding of mathematical ideas by analyzing and comparing student approaches and arguments (NCTM Teaching Practice). This session will examine mathematical tasks that focus on procedures with connections and doing mathematics. Tasks that have high-cognitive demand are complex enough to give students something to talk about.	Will be sent in confirmation e-mail after registering
Tuesday, October 13	7:00 PM	Ralph Pantoza & Alicia Rodriguez	What Are You Waiting For?	6 - 8, 9 - 12, Pre-Service Teachers, Math Coaches	You know to use "wait time" after you ask a question of your class, yet there are many other times to "wait" in the learning of math. See how a few adjustments to your curriculum, instructional routines, and assessment practices can work to increase your students' confidence, contributions, and creativity.	Will be sent in confirmation e-mail after registering
Thursday, October 15	7:00 PM	Jesse Johnson & Jennifer Jernigan	Avoiding the One-Way Approach	6 - 8, 9 - 12, Pre-Service Teachers, Math Coaches, Supervisors, Administrators	Participants will explore a multi-dimensional approach to teaching math in general and special education classes. Participants will leave the session with tools and strategies that will encourage student self-discovery.	Will be sent in confirmation e-mail after registering
Tuesday, October 20	7:00 PM	Lorraine Howard	Using Real-World Data for Elementary Problem Solving	3 - 5	Show students real-world applications for their emerging math skills and connections to other disciplines with hands-on activities that use data sets on wildlife habitat, land and water use, population and more. Build students' skills in working with fractions, ratios, large numbers, growth patterns, measurement, and data analysis.	Will be sent in confirmation e-mail after registering
Wednesday, October 21	7:00 PM	John Hanna & Robyn Poulsen	The Teacher Does Python?	6-8, 9-12, Higher Ed	Engagement through technology: a short but action-packed introduction to Python programming using the TI-Nspire CX II. Yes, you CAN do it! The agenda includes: the programming apps, menus, first programs, and demonstrations of applications and simulations. No programming experience needed, but familiarity with TI-Nspire operation is helpful.	Will be sent in confirmation e-mail after registering

Thursday, October 22	4:00 PM	Jill Perry & Rob Wieman	Can We Talk? Establishing Mathematical Routines to Support Student Learning	6 - 8, 9 - 12, Pre-Service Teachers, Math Coaches, Supervisors, Administrators	Do your students struggle to engage in mathematical discussions? Instructional routines provide teachers and students with well-defined structures that support students' shared sense-making. In this interactive workshop we will demonstrate how to introduce and facilitate routines so that students are supported in being successful.	Will be sent in confirmation e-mail after registering
Tuesday, October 27	7:00 PM	Rudy Neufeld & Jorge Moore	"TEACH, not TELL" Strategies in the Dawn of New Learning in Mathematics	3 - 6	The quarantine has nudged educators to plan Flexible Learning Models to include teachers, students and parents in effective mathematics instruction for the uncertain Fall 2020. We will engage minds through online tools that provide immediate, interactive, adaptive feedback resulting in understanding, rather than in memorizing whole numbers and fraction concepts. This session will model lessons to build understanding in whole numbers and fractions and games to reinforce them.	Will be sent in confirmation e-mail after registering
Thursday October 29	4:00 PM	Robert Gerver	Alternative Courses For Struggling High School Juniors and Seniors	9 - 12	Advanced Algebra with Financial Applications and Hands-On Statistics are two math credit bearing curricula that can be used as alternatives to algebra 2 and precalculus. Both have only an Algebra 1 prerequisite, can receive 3rd/4th year math credits, and are motivating, relevant curricula that engage struggling students.	Will be sent in confirmation e-mail after registering