



K-5 Math Collaborative Learning Community (2021-2022)

Are you feeling limited on time, but want to continue to strengthen your math instruction? Come join us for our updated K-5 Math Collaborative Learning Community. This workshop is designed for participants to dive deeper into the instructional tiers of the RTI process. Participants will be able to develop a schedule that meets their needs. Participants will have the flexibility to pick from a variety of micro sessions focusing on student engagement, building mathematical fluency and intervention strategies.

Registration: Please have your district representative register you today!
CoSer 529-Professional Development

Zoom Meeting Information

Meeting ID: 991 0493 1275

Passcode: Numeracy

NOTICE OF NON-DISCRIMINATION

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Civil Rights Compliance Officer, Human Resources, Cattaraugus-Allegany BOCES, 1825 Windfall Road, Olean, NY 14760, 716-376- 8237. Email: CivilRightsCompliance@caboces.org

8:30-9:15	NYSED Math Updates <i>Justin Shumaker-Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• This session is designed to provide updates and current information from the NYSED Office of Curriculum and Instruction. Participants will have an opportunity to explore new resources that will help support the transition to the Next Generation Mathematics Learning Standards and enhance student achievement.
9:15-10:30	Building Conceptual Understanding & Fluency Through Games <i>Jillian Putnam-Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• Developing fluency requires a balance and connection between conceptual understanding and computational proficiency. Computational methods that are over-practiced without understanding are forgotten or remembered incorrectly. Conceptual understanding without fluency can inhibit the problem-solving process-NCTM Principles and Standards for School Mathematics. This micro session will focus on ways teachers can build fluency through engaging and interactive games and activities.
10:30-10:45	Break
10:45-12:00	Unmuting the Sit & Get <i>Clay Nolan-Program Manager for Learning Resources, CA BOCES</i> <ul style="list-style-type: none">• Participants will experience different strategies for enhancing their online synchronous presentations with engaging classroom activities designed for all learners, allowing them to transform their lessons. Implementing this structure assists students' ability to interact and be involved with lessons instead of being caught in the sit-and-get, zoom fatigue. The animation feature on presentation platforms allows for spinners, trigger clicks, randomization, and reveals for student or teacher use. Design functionality allows students to card sort, make models, graph, collect data, and drag and drop multiples. Combining these elements leads to collaboration, critical thinking, and discussion.
12:00-12:45	Lunch
12:45-2:00	Number Sense Interventions <i>Alex Freer, Digital Resources & Technology Coordinator, CA BOCES</i> <ul style="list-style-type: none">• Join us for a deep dive into what Learning Resources has to offer! Take an At A Glance look at resources like Mathseeds, CueThink, Intervention Kits, and much more! You will also have an opportunity to collaborate with your colleagues to share ideas and strategies!
2:00-2:30	Appy Hour! <i>Mark Beckwith, Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• Prepare to experience 30 minutes of apps to support your math classroom. You will walk away with a list of apps to explore and an opportunity to share and collaborate with colleagues!

8:30-9:15	NYSED Math Updates <i>Justin Shumaker-Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• This session is designed to provide updates and current information from the NYSED Office of Curriculum and Instruction. Participants will have an opportunity to explore new resources that will help support the transition to the Next Generation Mathematics Learning Standards and enhance student achievement.
9:15-10:30	Number Talks <i>Tessa Levitt-Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• By including a short 15-minute routine called Number Talks, teachers can help students learn to reason mentally with numbers-a foundational skill often missed in schools. Number Talks are mentally solving and discussing mathematical understanding and reasoning. Number Talks encourage students to learn the reasoning behind those steps while using mathematical vocabulary and discourse.
10:30-10:45	Break
10:45-12:00	Building Numerical Literacy with Daily Routines <i>Justin Shumaker, Coordinator for Professional Development, CA BOCES</i> <i>Mark Beckwith, Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• This micro session will explore the concept of number sense and what it means while helping to improve routines that are not routinized. Participants will have opportunities to share, discuss, and collaborate how they have developed number sense routines and will walk away with the ability to plan responsive number sense routines!
12:00-12:45	Lunch
12:45-2:00	NYSED Scaffold Guides & Toolkits <i>Justin Shumaker, Coordinator for Professional Development, CA BOCES</i> <i>Mark Carls, Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• This micro session will support teachers in designing instruction that makes the general education curriculum more accessible to all students without interfering with the rigor of grade level content. This session will share resources including the Supporting All Students Resource Guides while focusing on deepening understanding of what instructional scaffolding means and how scaffolds can be used to support student learning, and how to effectively plan and deliver scaffolded instruction.
2:00-2:30	Appy Hour! <i>Mark Beckwith, Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• Prepare to experience 30 minutes of apps to support your math classroom. You will walk away with a list of apps to explore and an opportunity to share and collaborate with colleagues!

Wednesday, February 9th

8:30-9:15	NYSED Math Updates <i>Justin Shumaker-Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• This session is designed to provide updates and current information from the NYSED Office of Curriculum and Instruction. Participants will have an opportunity to explore new resources that will help support the transition to the Next Generation Mathematics Learning Standards and enhance student achievement.
9:15-10:30	Math & Movement in the Elementary Classroom <i>Jillian Putnam-Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• Prepare to be immersed in movement activities designed to support Kindergarten through 5th grade math instruction as it connects to the NCTM Principals and NYS Next Generation Mathematical Standards. This micro session will demonstrate how to make math movement a natural part of daily transitions while engaging all learners!
10:30-10:45	Break
10:45-12:00	CA BOCES Benchmarks & Performance Level Descriptors <i>Mark Carls, Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• This micro session will explain what role Performance Level Descriptors play in the NYSED assessment design process and how they serve as an important tool that is used to measure student knowledge and skills, and support student learning. This session will demonstrate how NYSED PLD's are utilized in conjunction other NYSED assessment resources for designing assessments aligned to the Learning Standards; and facilitate conversations about how PLD's can be used to support student learning.
12:00-12:45	Lunch
12:45-2:00	Mathseeds <i>Alex Freer, Digital Resources & Technology Coordinator, CA BOCES</i> <ul style="list-style-type: none">• Mathseeds is an easy to use, motivational sequence where every student has their own self-paced learning path. Mathseeds has step by step lessons that provide students with child-friendly explanations of key terms, processes, and problem-solving skills while also providing instant feedback on student growth.
2:00-2:30	Appy Hour! <i>Mark Beckwith, Coordinator for Professional Development, CA BOCES</i> <ul style="list-style-type: none">• Prepare to experience 30 minutes of apps to support your math classroom. You will walk away with a list of apps to explore and an opportunity to share and collaborate with colleagues!