Long Island Mathematics Conference Board
Presents
"A Taste of LIMACON"
Virtual Conference Program
Friday, March 12, 2021

Session 1
11:00 AM – 12:00PM

Graham Fletcher Math Specialist Level: Elementary K-5
Building Fact Fluency Through Mathematical Storytelling
When we ask students to memorize their facts, we are essentially asking them to memorize over 100 isolated equations. This approach doesn't allow students to explore the relationships between numbers that are foundational to mathematics. In this presentation, we'll explore the important role that context plays in developing fact fluency. By purposefully sequencing a series of tasks and activities through the same context, students can begin to make connections and develop an understanding that is scalable well beyond single digits.

Irina Lyblinskaya Columbia Teachers College Level: Middle School
Intervention Strategies for Struggling Learners in Middle School Mathematics
In this interactive presentation, participants will learn about specific research-based recommendations to address the needs of struggling learners, discuss how to carry out each recommendation, and review examples illustrating specific intervention strategies for different recommendations for teaching specific topics of middle school mathematics.

John Maus North Shore High School Level: High School
Gems of Geometry
This presentation will explore different components of a geometry lesson that you can use to help students in their journey to understanding.

Jon DeLise Fordham University Level: General
Manipulatives in the Math Class
Let's take the edge off of math! See how hands on activities help develop mathematical concepts and motivate learning of mathematics. Materials consist of inexpensive, everyday household items.

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Session 2
12:15 PM – 1:15 PM

Frank Gardella Hunter College/CUNY Level: Elementary
Fractions and Language
Helping students distinguish when "5" means five and we can add, and when "5" means "fifth" and we cannot add. Seeing the words with the manipulatives, not just hearing them, is the key.

Natasha Murray University of Pennsylvania Level: Middle School
The BEST Method for Problem Solving
Come learn about the BEST method for problem solving, how it works, and how to teach it to your students.

Dana Morse Texas Instruments Level: High School
Keys to Regents Success
Prepare your students, and their TI graphing calculators, for success on their high stakes exams. Take a deeper dive into the technology your students are required to use. Build math confidence and improve scores.

Maria Leon Chu Francis Lewis HS/NYCDOE Level: General
Kickstart your Math Class with Classkick!
Are you frustrated that you can't see your students' engagement level or provide them with feedback in real-time during remote learning? *Classkick* is an interactive platform that allows students to input answers as text, by drawing, or as an audio file. Teachers can view every student's work and instantaneously provide help using various modalities. Come learn how to enhance your students' learning experience using *Classkick!*

1:15 PM -2:00 PM Lunch/Coffee Break All times EST

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Session 3
2:00 PM – 3:00PM

Irina Lyublinskaya Columbia Teachers College Level: Elementary

Intervention Strategies for Struggling Learners in Elementary School Mathematics

In this interactive presentation, participants will learn about specific research-based recommendations to address the needs of struggling learners, discuss how to carry out each recommendation, and review examples illustrating specific intervention strategies for different recommendations for teaching specific topics of elementary school mathematics.

Frank Gardella Hunter College/CUNY Level: Middle School

Algebra for the Middle Grades

An accurate sequence of algebraic topics through the middle grades could have students ready for an Algebra I course while having developed a deep understanding of the topics before addressing the formalism of Algebra.

Soowook Lee Roslyn High School Level: High School

Creating Lessons for Understanding

In this presentation, we will discuss crating lessons that lead to deeper understanding. Topics will range from Algebra I to Calculus.

Brian Evans Pace University Level: General

History of Mathematics in the Classroom: A Focus on Cultures

This presentation gives a brief overview of the history of mathematics through the contributions from various cultures and will provide ideas for using mathematics history to motivate students.

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Session 4
3:15 PM – 4:15 PM

Nicholas Restivo Math Olympiads Level: Elementary

Catalyzing Change by Solving Real (and Interesting) Problems

Generate excitement and interest in problem solving. Energize and enrich your curriculum by encouraging students to take risks in solving problems.

Joe Quinn Math Consultant Level: Middle School

Catch Up

We look at a point system called a "catch-up" rule, developed by game theorists at NYU, and see how this has been used in physical and remote classrooms to get student thinking about algebra, game theory, and social situations.

Nancy Lin Nassau BOCES Level: MS/High School

Captivate Student Learning with Pixel Art Mystery-Reveal Activities

Google Sheets pixel art mystery-reveal activities have become very popular recently because they work well in any environment (remote, hybrid, and in-person), and are highly engaging for students at all grade levels. They are effective formative assessment tools that provide immediate feedback for students. As students enter the correct answer, a mystery image reveals itself. In this presentation, you will learn how to edit an existing pixel-art activity using Google Sheets. You will leave with a large collection of educational pixel art Google Sheet activities and the know-how to edit the questions and answers to suit your grade level and mathematics topic.

Betty Berbari with Natasha Murray, Amy Yeung, & Krystal Chin
SUNY/Old Westbury Level: General

Women in Math

This panel on *Women in Math* will use a lightning talk format for women in mathematics to share their personal experiences.

To register: click on the Register link at the top of the page