Reimagining the Mathematics Classroom
A Symposium Evening
Pioneer Middle School, Tustin USD
February 25, 2019

Check-in & Dinner
4:30pm—5:00pm

Keynote Presentation
5:00pm — 6:00pm

Reimagining the Mathematics Classroom
Dr. Cathery Yeh—Keynote Speaker
Chapman University Professor and Co-Author of
Reimagining the Mathematics Classroom: Creating and sustaining classroom environments for productive mathematics learning

Multipurpose Room (Facilitator: Dave Chamberlain)
SESSION 1
6:10pm-6:55pm

Inclusion 4 All: Strategies and Resources 4 Powerful Learning—Grades K – 2
Melissa Brennan, Magnolia SD
Design rich mathematics experiences for ALL students. You will utilize activities and tools to engage students in problem solving and reasoning and allow for natural differentiation.

COMMON CORE MATH PRACTICES:
• Make Sense of Problems and Persevere in Solving Them
• Reason Abstractly and Quantitatively
• Construct Viable Arguments and Critique the Reasoning of Others
• Model with Mathematics
• Use Appropriate Tools Strategically

Room 701 (Facilitator: Desiree Olivas)

Choral & Charting Counting—Grades 3 – 6
Karen Gauthier, Capistrano USD
How do we support students' identities as doers of mathematics? This session will explore how the routine of choral and charting counting honors student sense making.

COMMON CORE MATH PRACTICES:
• Reason Abstractly and Quantitatively
• Construct Viable Arguments and Critique the Reasoning of Others
• Attend to Precision
• Look For and Make Use of Structure
• Look For and Express Regularity in Repeated Reasoning

Room 702 (Facilitator: Katherine Lu)

How to Help Students Become Problem Solvers, Not Math Robots—Grades 6 – 12
Robert Kaplinsky, robertkaplinsky.com
Learn how to implement problems that will show you clearly what kids know, help them become problem solvers, and have them begging for more.

COMMON CORE MATH PRACTICES:
• Make sense of problems and persevere in solving them
• Reason abstractly and quantitatively

Room 703 (Facilitator: Carol Brouhle)

Use hashtag #cmcmath
Creating Engagement Through Desmos Digital Notebooks—Grades 6 - 12
Alexis Salazar, Saddleback Valley USD
Join us as we create customized Desmos Digital Notebooks that will spark engagement and meet the needs of the students in your classroom.

COMMON CORE MATH PRACTICES:
• Model with mathematics
• Use appropriate tools strategically

Room 704 (Facilitator: Cara Pettite)

What are You Thinking? Engaging in Performance Assessment Learning—Grades 6 – 12
Dr. Kimberly Samaniego, UC San Diego/Mathematics Diagnostic Testing Project & Dr. David Pagni, Cal State Fullerton/Mathematics Diagnostic Testing Project
Participants solve high-ceiling, low-floor tasks designed to elicit student thinking in support of performance assessment expectations. Teachers exit with tasks and strategies ready for Tuesday's lesson.

COMMON CORE MATH PRACTICE:
• Reason Abstractly and Quantitatively
• Construct Viable Arguments and Critique the Reasoning of Others

Room 705 (Facilitator: Brian Hightower)

Up for Debate! An Introduction to Debate Routines in Math Class—Grades 6 – 12
Chris Luzniak, The Archer School
Imagine: Debate, often a humanities staple, as an integral part of your mathematics classes. Come experience techniques, warm-ups, and routines for starting healthy debating classrooms.

COMMON CORE MATH PRACTICES:
• Construct viable arguments and critique the reasoning of others
• Attend to precision

Room 706 (Facilitator: Barb Post)

Use hashtag #cmcmath
SESSION 2
7:00pm-7:45pm

Dr. Jody Guarino, Orange County Department of Education &
Bethany Lockhart, Community Roots Academy
What does mathematical argumentation look like in K-2 classrooms? Explore a classroom routine and
teacher moves that support young learners in the phases of argumentation.

COMMON CORE MATH PRACTICE:
• Construct Viable Arguments and Critique the Reasoning of Others
• Look For and Make Use of Structure

Room 701 (Facilitator: Desiree Olivas)

Supporting Reading in the Math Classroom—Grades 3 – 8
Sarah Galasso, Carnegie Learning
Making sense of problems and critiquing others often requires reading. We will uncover some best
practices around supporting readers in the math classroom.

COMMON CORE MATH PRACTICES:
• Make sense of problems and persevere in solving them
• Construct viable arguments and critique the reasoning of others

Room 702 (Facilitator: Katherine Lu)

Number Talks in the Mathematics Classroom—Grades 4 – 10
Ergin Ehuy, Santa Ana USD
Make Number Talks a regular part of your classroom activities! Help improve number sense and
promote a healthy growth-oriented classroom in short 5-minute sessions.

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• Attend to Precision
• Look For and Make Use of Structure
• Look For and Express Regularity in Repeated Reasoning

Room 703 (Facilitator: Carol Brouhle)

Use hashtag #cmcmath
SESSION 2 continued
7:00pm-7:45pm

Algebra Tiles: A Picture's Worth a Thousand Words—Grades 6 – 12
Paul Tschida, Tustin USD
Looking for a tool that lets all students access algebra concepts? Then algebra tiles are the perfect fit, for everything from integers to polynomials!

COMMON CORE MATH PRACTICES:
• Reason abstractly and quantitatively
• Use appropriate tools strategically

Room 704 (Facilitator: Cara Pettite)

#samediffmath - A Small Change with a Big Impact!—Grades 6 – 12
Kristie Donavan, Irvine USD
#samediffmath is a simple yet powerful tool for student learning. We will discuss structure, purpose, and benefits, then create our own.

COMMON CORE MATH PRACTICES:
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• Look For and Make Use of Structure

Room 705 (Facilitator: Brian Hightower)

Homework: The Great Debate—Grades 9 – Post-Secondary
Candice Harrington, Capistrano USD/Cal State Fullerton
Effectively create, assign, and schedule homework to increase student learning and minimize time wasted on homework review. Topics include Spiral Homework, Pacing, and Growth Mindset.

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Room 706 (Facilitator: Barb Post)

Use hashtag #cmcmath
**Guest Wireless Access**
Find the network called *tusd-event* and connect to it. There is no username/password required.

**Evaluations and Raffle Prizes**
*7:45pm — 8:00pm*
Must be present to win.

**Thank you for joining us tonight!**
*We ask that you help us by picking up any trash around you as you leave.*