

'23 | PRIME TIME FOR TEAMWORK

2023 PCTM ANNUAL CONFERENCE

Schedule Overview

Thursday, July 27th

8:00 - 9:00 AM **IGNITE/PCTM Awards (Grand Ballroom A&B)**

9:15 - 10:15 AM **Breakout Sessions**

- Convince Me That - Dan Kaufmann - All Grades (**Grand Ballroom A**)
- Math in Motion - Dana F. Morse, Texas Instruments - 10-12 (**Grand Ballroom B**)
- Hands-on Authentic Assessments in the Secondary Classroom - Pete Wisniewski - 10-12 (**Nittany Room**)
- Planning and Reacting: How Do I Best Respond to Student Thinking? - Edward C. Nolan - 10-12 (**Gallery Room**)
- Cooperative Learning Techniques in the Classroom - Marian E Avery - All Grades (**Terrace Rooms**)
- Creating Equitable Systems for the Struggling Student - Jonathan Regino - K-3 (**Director's Room**)
- Standards Aligned System - Kevin Mauro, PDE - All Grades (**Executive Forum**)

10:30 - 11:30 AM **Keynote - Dr. Shelly Jones**

11:30 - 12:45 PM **Enjoy lunch and visit the vendor tables!**

The buffet will be set up in Chairman's Rooms A&B. Enjoy your lunch in the Grand Ballrooms.

12:45 - 1:45 PM **Breakout Sessions**

- Activities for Tackling "Yucky" Math Topics - Bob Lochel - 7-12 (**Grand Ballroom A**)
- Knock Knock! Who is there? MLRs! MLRs- who? MLRs- Mathematical Language Routines. - Sandhya Raman - All Grades (**Grand Ballroom B**)
- Give Your Math Curriculum a Boost with First In Math® - Jennifer Kling, Robert Sun, First In Math - K-9 (**Nittany Room**)
- DIY: Setting up a Middle School Math Intervention Program - Donna Wynkoop - 7-9 (**Gallery Room**)
- Reimagining Fluency through Powerful Routines - Jessie Oestreich, EdGems Math - 7-12 (**Terrace Rooms**)
- Developing Preservice Teachers' Experiences and Self-Efficacy in Mathematical Modeling Practices - Reuben S. Asempapa, Ph.D. - 4-9 (**Director's Room**)
- None of this is "new" math: Tracing meaning vs. memorization throughout US history - Emily Mainzer - K-6 (**Executive Forum**)



2:00 - 3:00 PM Breakout Sessions

- Celebrating Student Brilliance in the Math Classroom - Tom Gantt, Amplify/Desmos Math - All Grades (**Grand Ballroom A**)
- PAEMST Process and a Math Discussion - Kevin Mauro, PDE - All Grades (**Grand Ballroom B**)
- The Treatment of Function Transformations in GeoGebra Classroom Resources - Xiangquan Yao, Nicholas Grande - 7-12 (**Nittany Room**)
- Spatial Visualization Skills of Preservice Elementary Teachers - Debbie Gochenaur, Riana Peters - K-6 (**Gallery Room**)
- Why Every Mathematician Should be Vegan - Michael Tori - All Grades (**Terrace Rooms**)
- Using Noticing and Wondering to Support Student Thinking - Amanda Reinsburrow, Valerie Klein - 4-9 (**Director's Room**)
- From Closed to Open: How to Turn Standardized Test Questions into Engaging Learning Experiences - Meredith Scheiner - All Grades (**Executive Forum**)

3:15 - 4:15 PM Breakout Sessions

- Problem-Based Learning to Unlock Student Understanding - Tom Gantt, Amplify - 4-12 (**Grand Ballroom A**)
- TI Tips for Building Math Confidence for Keystone Exams - Dana F. Morse, Texas Instruments - 7-12 (**Grand Ballroom B**)
- How the Science of Reading Impacts Word Problems in Math - Jonathan Regino - K-3 (**Nittany Room**)
- Owning vs. Renting Knowledge: Using Writing in Mathematics and Guiding Your Students in Answering Open Ended Items on the Algebra I Keystone - Megan Clementi - 7-10 (**Gallery Room**)
- Using theatre, role play, acting and play writing to share the joy and beauty of mathematics - Joanne Ward - 4-9 (**Terrace Rooms**)
- MAGIC: Math Activities that Generate an Interesting Classroom - Jason Turka - 7-9 (**Director's Room**)
- You DO Have Time! Fitting Engaging Routines into Your Lessons - Abby Gordon - All Grades (**Executive Forum**)

4:20 - 4:50 PM PCTM Business Meeting (Grand Ballrooms A&B)

6:30 - 8:30 PM Math Trivia Night! (P.J. Harrigan's Bar and Grille - located in the Ramada)



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Schedule Overview

Friday, July 28th

8:00 - 9:00 AM **Keynote - Howie Hua**

9:15 - 10:15 AM **Breakout Sessions**

- The Advanced Algebra/Finance Connection: A Perfect 3rd/4th Year Math Elective - Richard Sgroi - 10-12 (**Grand Ballroom A**)
- Encourage Investigation and Conversation with the Desmos Graphing Calculator - Bob Lochel - 7-12 (**Grand Ballroom B**)
- Problem Solving for All Students - Alicia Chiasson - K-6 (**Nittany Room**)
- Pattern Breaking - Jay Schiffman - 7-12, All Grades (**Gallery Room**)
- Socratic seminars for agency, engagement, equity, access and improved math discourse - Joanne Ward - 4-12 (**Terrace Rooms**)
- Creating Collaborative Classrooms - Astrida Lizins - CPM Educational Program - 7-12 (**Director's Room**)
- Are Math Classrooms Neutral? - Exploring the Power Dynamics and Values of the Spaces - Gary Kaufman, Brandon Schadle - All Grades (**Executive Forum**)

10:30 - 11:30 AM **Breakout Sessions**

- Trix are for Kids...Not Math Class - Joelle Cooper - 3-12 (**Grand Ballroom A**)
- Influence, Impact & Improvement: The CDTs Empower Educators to Make a Difference - Dan Richards, Carrie Soliday - 4-12 (**Grand Ballroom B**)
- The Precious First Minutes of Math Class, Jeremy Cohen, Ph.D, Hand2Mind – K-8 (**Nittany Room**)
- Elevating Student Status with Rough Draft Talk - Jocelyn Dunnack, Astrida Lizins, CPM Educational Program - 7-12, All Grades (**Gallery Room**)
- Implementing Alternative Grading in Math Courses - Gabe Kramer, Kristen Pueschel - 10-12, All Grades (**Terrace Rooms**)
- When symbols crash like cymbals - Deana Deichert - 7-9 (**Director's Room**)
- CSATS Programs emphasize Math Practices for Secondary STEM Teachers - Kathy Hill – 7-12 (**Executive Forum**)

11:30 - 12:45 PM **Enjoy lunch and visit the vendor tables!**

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12:45 - 1:45 PM Breakout Sessions

- Flexible Math Games to Build Fact Fluency - Daniel Kaufmann - K-6 (**Grand Ballroom A**)
- Social Justice \cap Mathematical Modeling = Meaningful Learning - Sandhya Raman - All Grades (**Grand Ballroom B**)
- Spot It - A Twist on Using Patterns to Attain Addition and Subtraction Fact Fluency - Pat Peffley - K-3 (**Nittany Room**)
- Ratios, Rates, and Percents, Oh My! - Alicia Chiasson, STEMscopes by Accelerate Learning - 4-9 (**Gallery Room**)
- The First 30 Minutes: Creating Access and Engagement - Emily Magee, Meredith Scheiner, Jessica Tilli and Lauren Hammond - All Grades (**Terrace Rooms**)
- Connecting Algebra Across Multiple Subjects - Christa Togans - 7-12 (**Director's Room**)
- Posing Engaging Problems to Inspire Mathematical Thinking - Jay L. Schiffman - 7-12, All Grades (**Executive Forum**)

2:00 - 3:00 PM Breakout Sessions

- Free Open Middle Resources in GeoGebra to Enhance Mathematics Learning - Robert Pontecorvo - 7-12 (**Grand Ballroom A**)
- Statistical Thinking with CODAP - Leigh Nataro - 7-12 (**Grand Ballroom B**)
- Spreadsheets: Columns, Rows, and Math... oh my! - Chris McCaffrey - All Grades (**Nittany Room**)
- Owning vs. Renting Knowledge: Using Writing in Mathematics and Guiding Your Students in Answering Open Ended Items on the PSSA - Megan Clementi - 6-8 (**Gallery Room**)
- Technology that thinks with you, not for you - Eli Luberoff - All Grades (**Terrace Rooms**)
- Having Students Create Story Problems to Help Learn Adding and Subtracting Integers - David A. Wiest - 4-9 (**Director's Room**)
- Supporting Emerging Bilinguals in Math Class - Karise Mace, Enock Yeboah - 4-12 (**Executive Forum**)

