

## Central Valley Way to Math Success – AB1705 & Beyond



March 28, 2025

Fresno City College – Wet Fresno Center

# Welcome

## Opening Remarks | *Benjamin Duran, CVHEC*

Network: SC\_GUEST

Wi-Fi:  
Non-MAC

Password: No password needed

Network: SCIOT

MAC

Password: kch846MrU772

## Introductions by Segment | *John Spevak, CVHEC*

- Community Colleges (CC),
- High Schools (HS),
- California State University (CSU)
- University of California (UC)
- California Community Colleges Chancellors Office (CCCCO)
- Guests



# Summary of Oct. 25, 2024 Convening

*John Spevak, CVHEC*



# Reflections from Chancellor's Office

## **Thoughts on the Chancellors Office's Revisions to Guidelines in December 2024**

*Erik Cooper, CCCCCO*



# Math Strand Report Outs

## **Update on Single-course Prerequisite to Calculus**

*Jeremy Brandl, Fresno City College*

## **Update on a Calculus Course with a Corequisite**


*Shelley Getty, Taft College*

## **Collecting Data Going Forward**

*Nathan Cahoon, Taft College*

## **Professors who were Concerned about C.O. Guidelines**

*Tina Akers-Porter, Modesto Junior College*



**Math Bridge in the Central Valley – Improving Student Engagement**  
Quantitative and Qualitative Outcomes of Increased Student  
Participation in Mathematics

*Lynn Cevallos, College Bridge*

*Nicole Korgie, College Bridge*

*Audra Burwell, College Bridge*

*Kristi Rieg, Merced College*

*Michael Little Crow, Reedley College*



# Lunch

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# How was Atlanta?

## Showcasing CV Math Efforts to a National Audience

*Shelley Getty, Taft College*  
*Jeremy Brandl, Fresno City College*

# Engaging Online PreCalc and Increasing Pass Rates with a goal of a more hands-on, student centered approach

- Day 1 Orientation Video – either live or sent out ahead of semester – bug them to watch it
- Live Zoom meetings – recorded for those that can't make it
- Create Videos for notetaking
  - Current instructor videos rather than publisher created or shared from a colleague.
- Guided Notes – fill out notebook by watching videos
- Require note taking – pdf submissions
- Use of both written HW and online HW
- Shortened HW assignments
- Strict deadlines

# Engaging Online Precalc and Increasing Pass Rates With A Goal of a more Hands-on, Student-Centered Approach

- Hands-on Activities
- Discussion Board
- Group project with video
- Individual or group virtual meetings with instructor throughout the semester

Open Access Course with Guided Notes and Activities:

- Including grant docs/report + syllabus

<https://alg.manifoldapp.org/projects/prec calculus-ancillary-ggc>

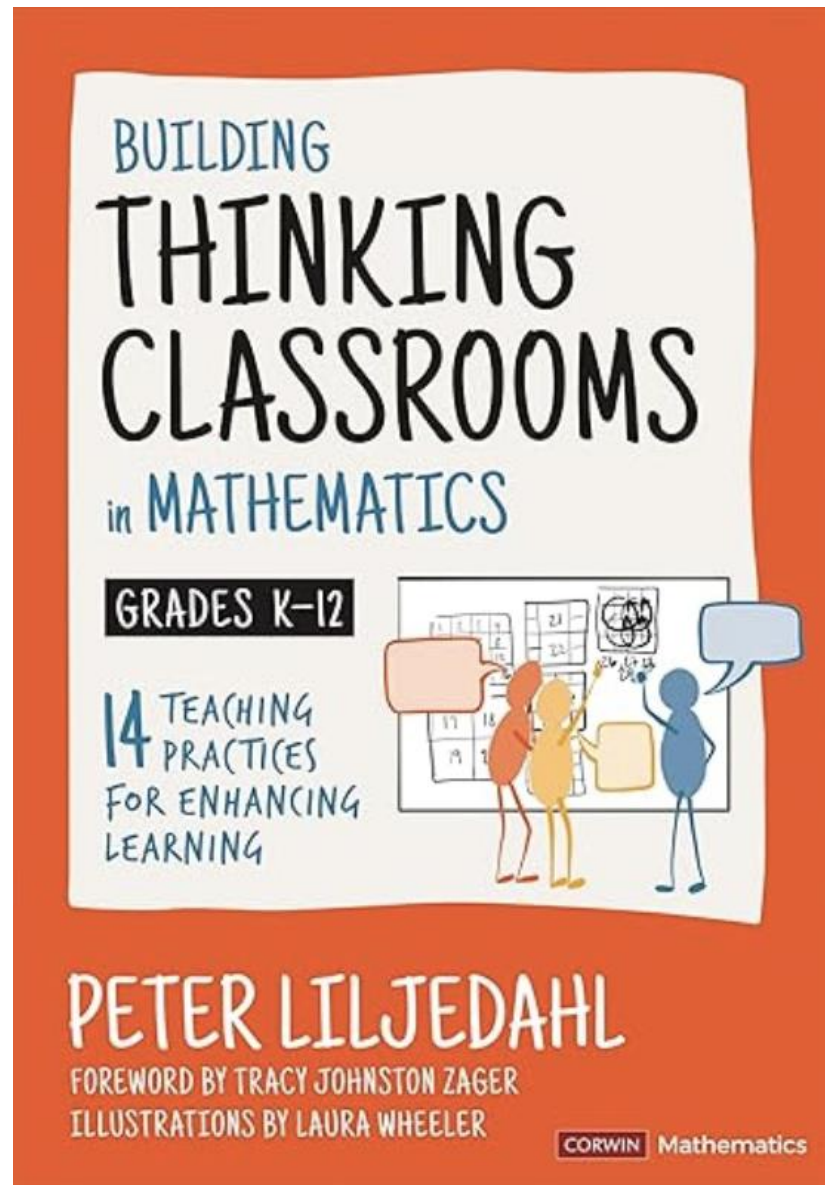
# Do's and Don'ts of Corequisites

–*Kathleen Almy*

- Optimize the college level course first (clear the clutter)
- Create an aligned corequisite with support for math and non-cognitive needs
- Don't create a corequisite that operates as a second content course
- Don't use too many credit hours (more than 6 problematic)
- Provide an environment focused on a few well designed tasks
- Don't treat the corequisite class time as extra time for content
- Check that advising and placement are putting students in the right course
- Don't ignore the differences between STEM and non-STEM
- Don't wing it
- Consider innovative ways to support students based on school size

# Building Thinking Classrooms in Mathematics, Grades K-12

*By Peter Liljedahl*

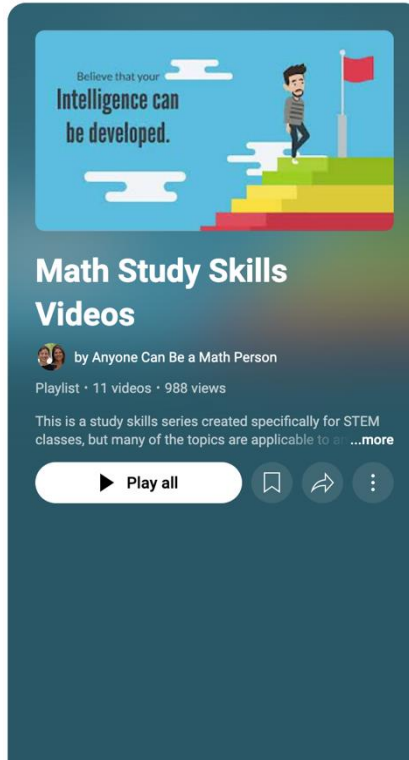


# Anyone Can Be a Math Person

*By Jessica Bernards*

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Free OER Study Skills Materials



Believe that your Intelligence can be developed.


**Math Study Skills Videos**


by Anyone Can Be a Math Person


Playlist • 11 videos • 988 views


This is a study skills series created specifically for STEM classes, but many of the topics are applicable to a ...more


▶ Play all

- 

**Growth Mindset**  
Anyone Can Be a Math Person • 1K views • 9 months ago
- 

**Math: Different from the Rest**  
Anyone Can Be a Math Person • 590 views • 9 months ago
- 

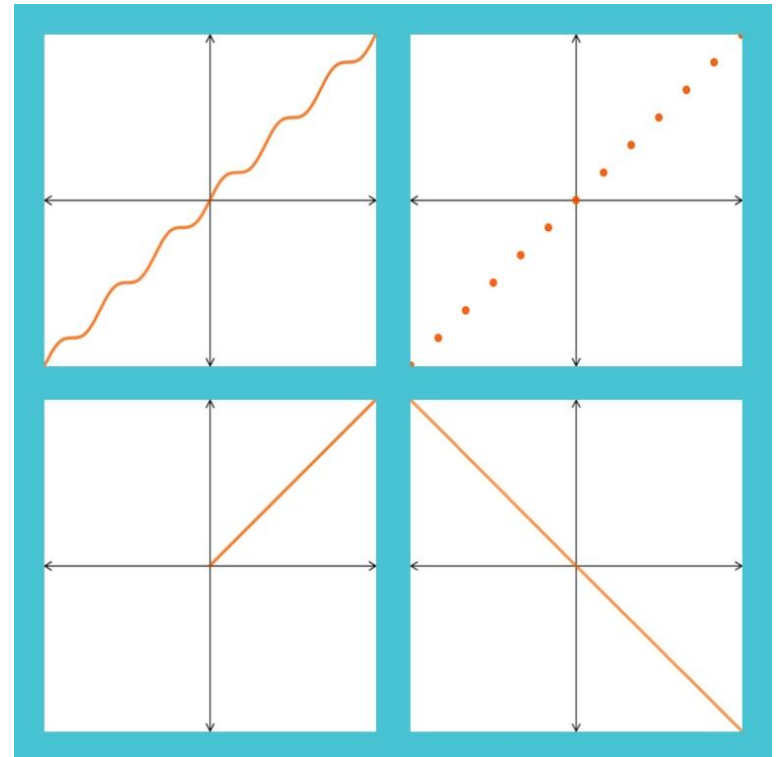
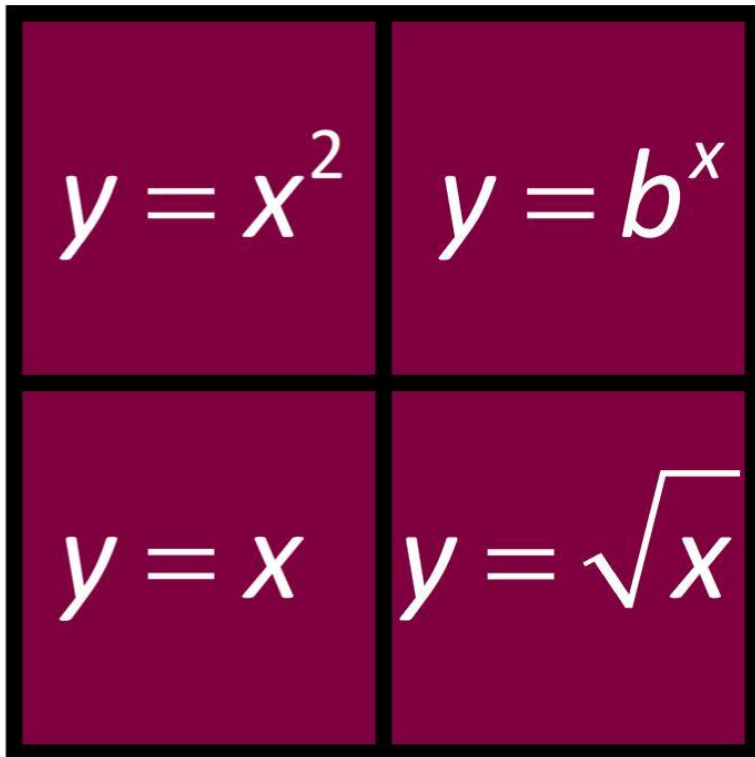
**Math and Test Anxiety**  
Anyone Can Be a Math Person • 136 views • 9 months ago
- 

**Academic Integrity**  
Anyone Can Be a Math Person • 313 views • 9 months ago
- 

**Time Management**  
Anyone Can Be a Math Person • 263 views • 9 months ago

# Which One Doesn't Belong (WODB)

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# Open Middle

$$\frac{d}{dx} \left( \frac{\square}{\square} x^{\square} \right) = \frac{\square}{\square} x^{\square}$$

Using the digits 1 to 9 at most one time each, fill in the boxes to create a true derivative statement.





# Other Ideas

- SI/Embedded Tutor/Peer Assistant Leader (PAL)/Math Success Coach
  - One Minute Paper
  - Muddiest Point
  - Give One/Get One
-



Peppermill Resort  
Reno, Nevada  
November 13-16, 2025

# Reports & Updates on Regional and State Math Initiatives

## UC Merced & CSU Fresno Collaborative Grant on Improving the Teaching of Calculus

*Zenaida Aguirre-Munoz, UC Merced*

*Mayya Tokman, Professor of Applied Mathematics, UC Merced*

*Khang Tran, Fresno State*

## Update from CSU: Statewide Math Initiatives

*Fred Uy, CSU*

## Update on UC-CCC Dual Enrollment: Enhancing Transfer Opportunities Through Online Collaboration”

*Rolin Moe, UC Office of the President*

# Breakout Sessions

- **Innovative Calculus/Pre-calculus Pedagogy**

*Zenaida Aguirre-Munoz, UC Merced; Khang Tran, Fresno State;  
Shelley Getty, Taft College; Jeremy Brandl, Fresno City College*

A127 (Main Room)

- **Building Support Systems to Improve Student Outcomes in Mathematics**

*Owynn Lancaster, College Bridge*

A202 (Upstairs)

- **Collecting the Right Data the Right way**

*Nathan Cahoon, Taft College*

A203 (Upstairs)

# Report Outs

- **Innovative Calculus/Pre-calculus Pedagogy**
- **Building Support Systems to Improve Student Outcomes in Mathematics**
- **Collecting the Right Data the Right way**

# Where do we Go from Here?

*John Spevak, CVHEC*



**Thank you &  
Drive Safe**

