

The University of Texas at Austin
Charles A. Dana Center

Tools and Strategies

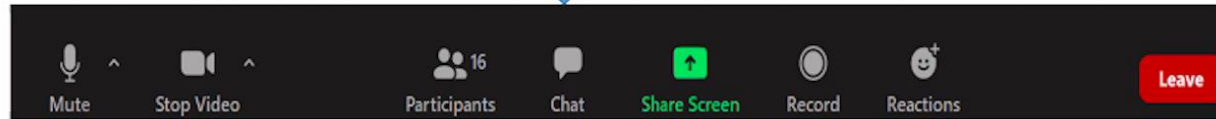
for Engaging Developmental Mathematics Students
in Online and Virtual Environments

Welcome!

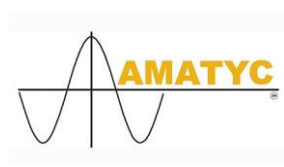
Let's get to know each other while we wait to start the webinar

Please answer the questions below in the “Chat,” located at the bottom of you screen.

- ❖ switch from panelists to all panelists and attendees



Where are you from? and what attracted you to enroll in this webinar?



The University of Texas at Austin
Charles A. Dana Center

Tools and Strategies for Engaging Developmental Mathematics Students in Online and Virtual Environments

Presenters

Christina Cobb

Kathryn Van Wagoner

Sponsored by the National Math Summit

Webinar Recording Policy

- ❖ AMATYC is recording the webinar
- ❖ AMATYC retains the right to show it again and to distribute it.
- ❖ By participating, you are agreeing that your contributions become part of the recording

Housekeeping

- ❖ Please make sure that you are muted.
- ❖ Open the chat by clicking on chat at the bottom of your screen
- ❖ Click on the arrow to switch from panelists to all panelists and attendees so that everyone will be able to view your comments
- ❖ We will have limited time to address questions. Type your question in the chat. We will save the chat and be able to address questions not answered during the webinar at a later date.
- ❖ We expect to have approximately 100 attendees in this webinar. Be open to new ideas and kind in their comments to others.

Zoom Tools

Christina Cobb

Middle Tennessee State University

Murfreesboro, TN.



The University of Texas at Austin
Charles A. Dana Center



amazon prime

All teaching effectively with zoom

Hello, Brandon Account & Lists Returns & Orders Prime Cart

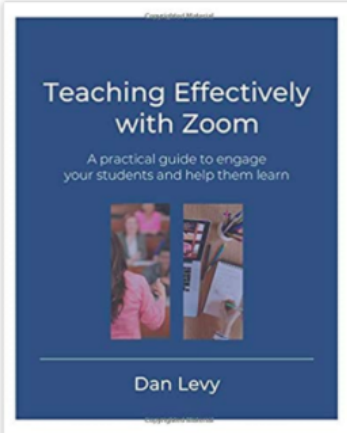
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Back to results

Look inside



Teaching Effectively with Zoom: A practical guide to engage your students and help them learn Paperback – July 15, 2020

by Dan Levy (Author)

★★★★☆ 75 ratings

See all formats and editions

Kindle \$3.99 after credits

Paperback \$12.24 prime

\$4.99 before credits Read with Our Free App

1 New from \$12.24

In early 2020, because of COVID-19, many colleges and schools around the world closed, and many teachers, instructors, and faculty members had to learn how to teach online in a hurry. This book takes a step back, and focuses on helping educators teach effective live online sessions with Zoom. Dan Levy offers practical pedagogical advice for educators on questions such as:•Why and how to use breakout rooms?•Should you use chat, and if so, how?•How do you build community in a virtual classroom?The book is based on the author's experience teaching online, observations of several colleagues teaching online at Harvard University, research-based principles of effective

Share

Buy new: \$12.24 prime

FREE Delivery by Thursday, Sep 24 for Prime members Details

Available to ship in 1-2 days. As an alternative, the Kindle eBook is available now and can be read on any device with the free Kindle app.

Qty: 1

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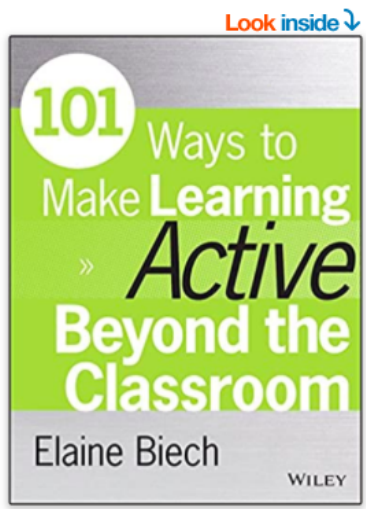
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◀ Back to results



101 Ways to Make Learning Active Beyond the Classroom (Active Training Series) Paperback – April 27, 2015

by Elaine Biech (Author)
★★★★☆ 11 ratings

> [See all formats and editions](#)

Kindle \$20.59 after credits \$21.59 before credits Read with Our Free App	Paperback \$32.99 ✓prime 11 Used from \$33.33 28 New from \$24.42
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Fresh, creative strategies guaranteed to enliven online training
101 Ways to Make Learning Active Beyond the Classroom provides proven, practical strategies, activities, and tips for those tasked with facilitating training in any subject area among alternative settings. Based on the best-selling *Active Training* approach, these methods have been designed by recognized experts, and are guaranteed to enliven any learning event. Readers will find a toolkit of ready-to-use exercises and tips for organizing, conducting, and delivering active learning, in alternative settings on the job or around the world. The book is organized in a way that allows

Share [<Embed>](#)

Buy new: **\$32.99**
List Price: ~~\$40.00~~
Save: \$7.01 (18%)

Prime FREE Delivery

FREE Delivery by **Saturday, Sep 26** for Prime members [Details](#)

Available to ship in 1-2 days.
As an alternative, the **Kindle eBook** is available now and can be read on any device with the free Kindle app.

Qty: 1 ▾

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Zoom

- Tool for engagement
- Icebreaker
- Quick evaluation
- Cooperative group work

Zoom Setting

- Profile
 - Meetings
 - Webinars
 - Recordings
 - Settings**
 - Account Profile
 - Reports
- Attend Live Training
- Video Tutorials
- Knowledge Base



Meeting Recording Telephone

- Security
- Schedule Meeting
- In Meeting (Basic)**
- In Meeting (Advanced)
- Email Notification
- Other

Security

Waiting Room Modified Reset

When participants join a meeting, place them in a waiting room and require the host to admit them individually. Enabling the waiting room automatically disables the setting for allowing participants to join before host.

Waiting Room Options
The options you select here apply to meetings hosted by users who turned 'Waiting Room' on

✓ Everyone will go in the waiting room

[Edit Options](#) [Customize Waiting Room](#)

Require a passcode when scheduling new meetings

A passcode will be generated when scheduling a meeting and participants require



Breakout Rooms

zoom SOLUTIONS ▾ PLANS & PRICING CONTACT SALES

pictures in the meeting

SCHEDULE A MEETING JOIN A MEETING HOST A MEETING ▾

Security

Schedule Meeting

In Meeting (Basic)

In Meeting (Advanced)

Email Notification

Other

In Meeting (Advanced)

Report participants to Zoom

Hosts can report meeting participants for inappropriate behavior to Zoom's Trust and Safety team for review. This setting can be found on the Security icon on the meeting controls toolbar. ⓘ

Breakout room Modified Reset

Allow host to split meeting participants into separate, smaller rooms

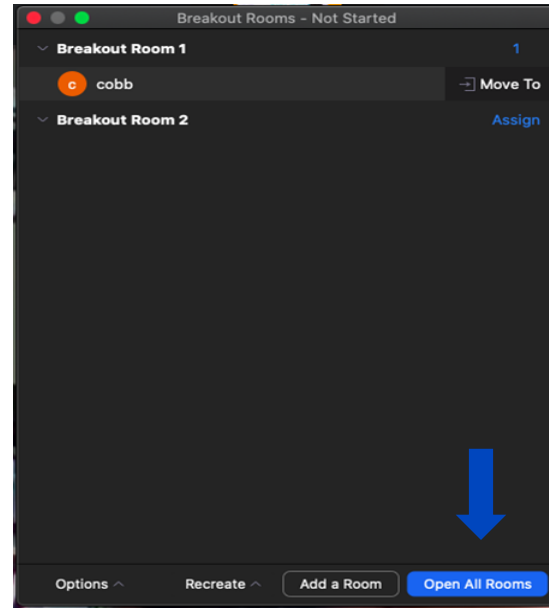
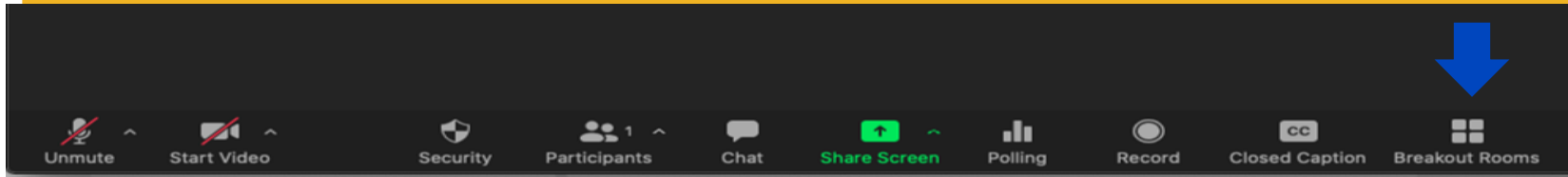
Allow host to assign participants to breakout rooms when scheduling ⓘ

Remote support

Allow meeting host to provide 1:1 remote support to another participant

Breakout Rooms

During your meeting



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The Zoom logo is displayed in a bold, blue, lowercase sans-serif font. The letters are thick and rounded, with a consistent stroke width. The 'z' and 'o's are particularly prominent due to their size and shape.

Video Breakout Rooms

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Polls in Zoom

The screenshot shows the Zoom Admin Center interface for configuring meeting settings. The top navigation bar includes links for 'REQUEST A DEMO', '1.888.799.0125', 'RESOURCES', and 'SUPPORT'. Below this, the Zoom logo is followed by 'SOLUTIONS', 'PLANS & PRICING', and 'CONTACT SALES'. The main content area is divided into a left sidebar with categories like 'Security', 'Schedule Meeting', 'In Meeting (Basic)', 'In Meeting (Advanced)', 'Email Notification', and 'Other'. The 'In Meeting (Basic)' category is selected, showing several settings with toggle switches and 'Modified'/'Reset' links. The 'Polling' setting is circled in blue. It is currently turned on and allows the host to survey attendees. Other settings include 'Co-host', 'Always show meeting control toolbar', 'Show Zoom windows during screen share', and 'Screen sharing'.

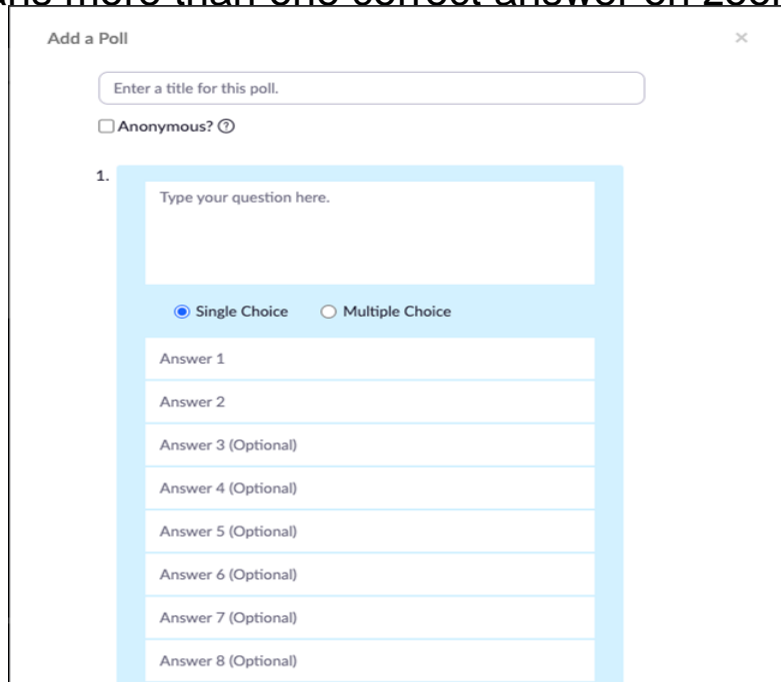
Setting	Description	Toggle	Modified	Reset
Co-host	Allow the host to add co-hosts. Co-hosts have the same in-meeting controls as the host.	On	Modified	Reset
Polling	Add 'Polls' to the meeting controls. This allows the host to survey the attendees.	On	Modified	Reset
Always show meeting control toolbar	Always show meeting controls during a meeting.	On	Modified	Reset
Show Zoom windows during screen share		On	Modified	Reset
Screen sharing	Allow host and participants to share their	On		

Polls in Zoom

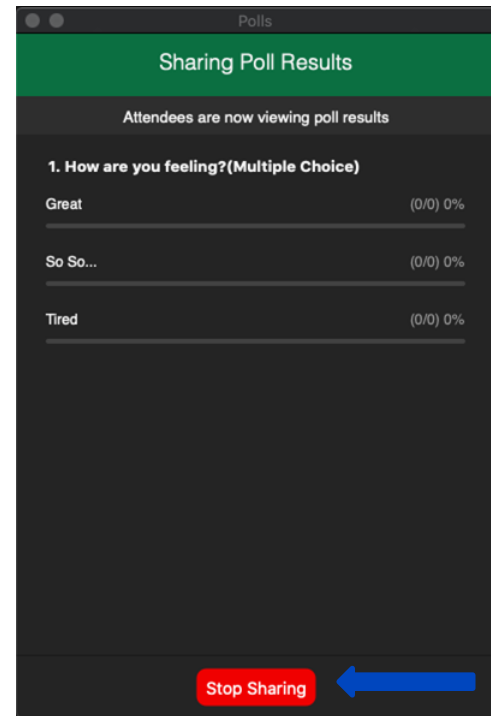
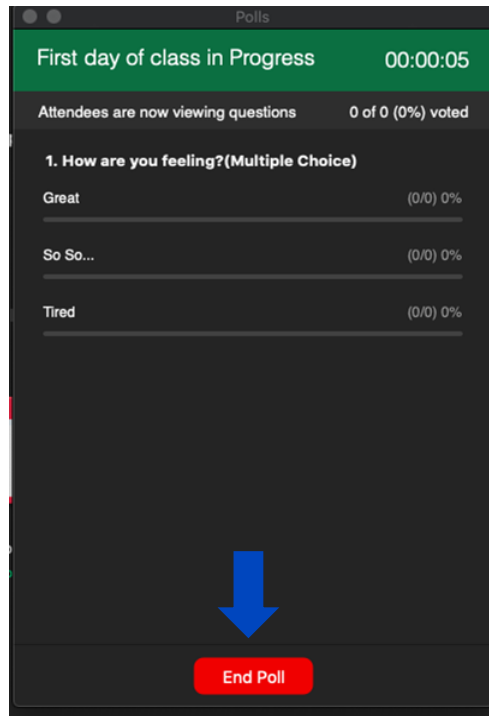
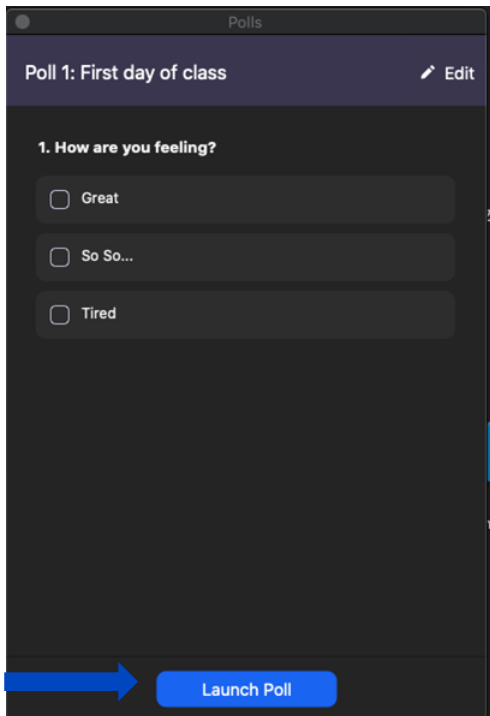
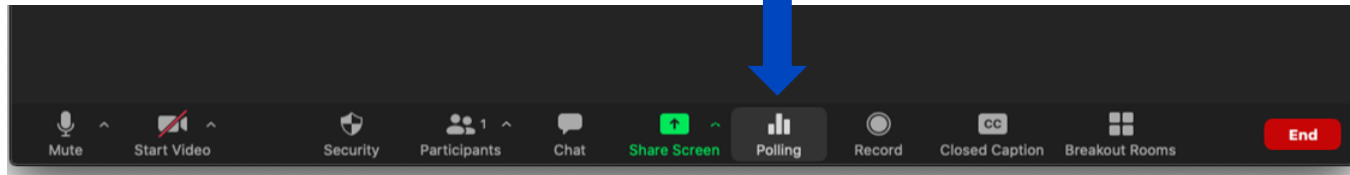
The screenshot displays the Zoom meeting control bar. At the top left is the Zoom logo. To its right are navigation links: SOLUTIONS, PLANS & PRICING, and CONTACT SALES. Further right are links for SCHEDULE A MEETING, JOIN A MEETING, and HOST A MEETING, followed by a user profile icon. Below these links are two faint messages: 'Only authenticated users can join' and 'Automatically record meeting'. The main control area contains four buttons: 'Delete this Meeting', 'Save as a Meeting Template', 'Edit this Meeting', and 'Start this Meeting'. Below these buttons is a large white box with the text 'You have not created any poll yet.' and an 'Add' button. A large blue arrow points to the 'Add' button. At the bottom left of this box is a link: 'Want a webinar instead of a meeting? Convert this Meeting to a Webinar'.

Polls in Zoom

*Multiple choice means more than one correct answer on zoom polls.



The image shows a screenshot of the 'Add a Poll' dialog box in Zoom. The dialog has a title bar with 'Add a Poll' and a close button. Below the title bar is a text input field with the placeholder text 'Enter a title for this poll.'. Underneath the input field is a checkbox labeled 'Anonymous?' with a help icon. Below the checkbox is a numbered list starting with '1.'. The first item in the list is a light blue box containing a text input field with the placeholder 'Type your question here.'. Below the question input field are two radio buttons: 'Single Choice' (which is selected) and 'Multiple Choice'. Below the radio buttons are eight text input fields for answers, labeled 'Answer 1' through 'Answer 8 (Optional)'. The 'Optional' label is only present for the last three answer fields.



Polls in Zoom

Your turn...



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Web Tools

Kathryn Van Wagoner

Weber State University

Ogden, Utah



The University of Texas at Austin
Charles A. Dana Center

Rationale for Activities

- Community
- Learning
- Variety
- Fun



Ice Breaker with a Purpose

Share a Photo

- Each student takes a turn sharing a photo (G-rated) with 30 sec explanation.
- Instruct students to prepare by having a photo open on their device ready to share.
- Provides practice for using screen sharing.



Ice Breaker with a Purpose

Show and Tell

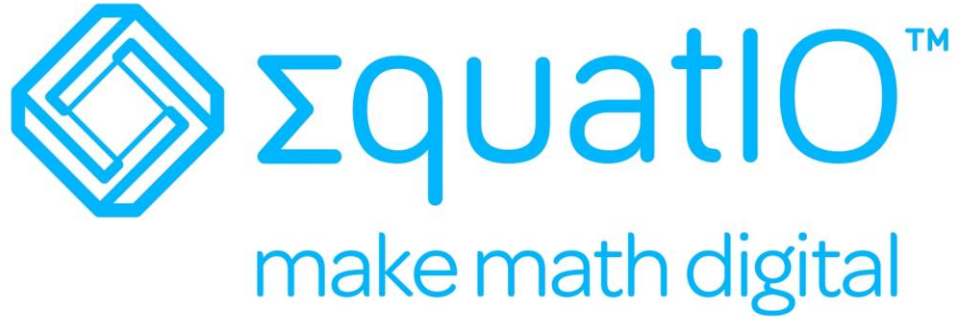
- Display a slide with instructions to find an object to share.
- Student unmutes audio and video and shares object.
- Provides practice for speaking to the group.



EquatIO

Chrome extension

- Facilitates writing mathematics in a Google Document
- Search “Equatio extension” to find the download





Disclaimer

We are going to experience multiple supplemental learning programs.

They should be accessible to most, but if your technology doesn't cooperate, we can't take time to troubleshoot.

Padlet

Digital Bulletin Board

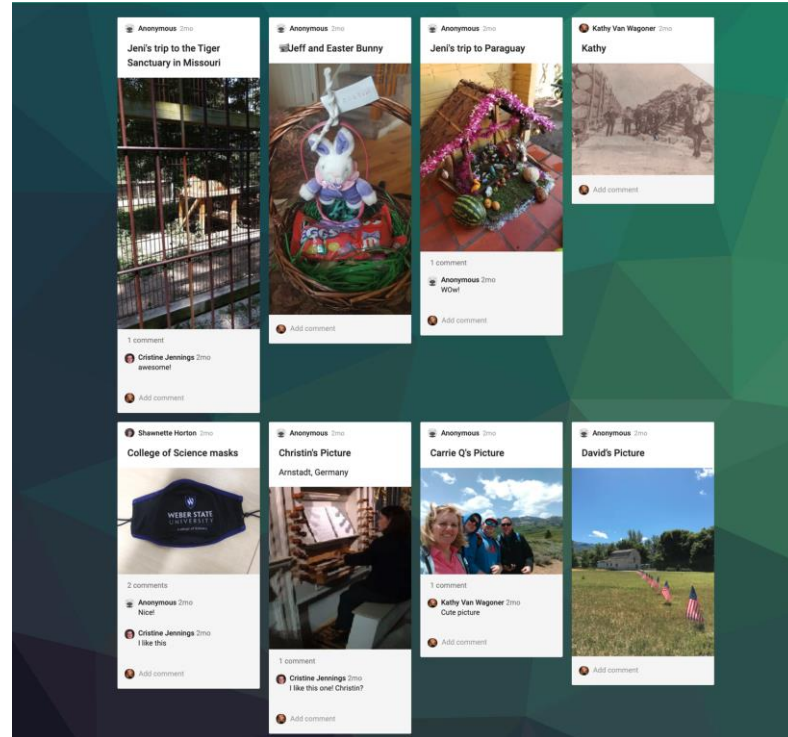
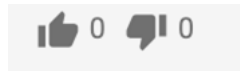
- Collaborative Notes
- Bell-ringer Activity
- Exit Ticket
- Brainstorming
- Image sharing



padlet

Your Turn

1. Click on this link
(I'll put it in the chat)
<https://padlet.com/kevanwagone/ikkjhcissgben04e>
2. Double-click on the wall to post:
 - Write your name for the title
 - Share text, photo, or video,
 - Also, can drag and drop, copy/paste
3. Comment on some posts
4. Vote for a post.



Kahoot!

Classroom Response System

- Formative Assessment
- In-class Practice
- Digital Quiz
- Students Create and Learn
- Individual Learning

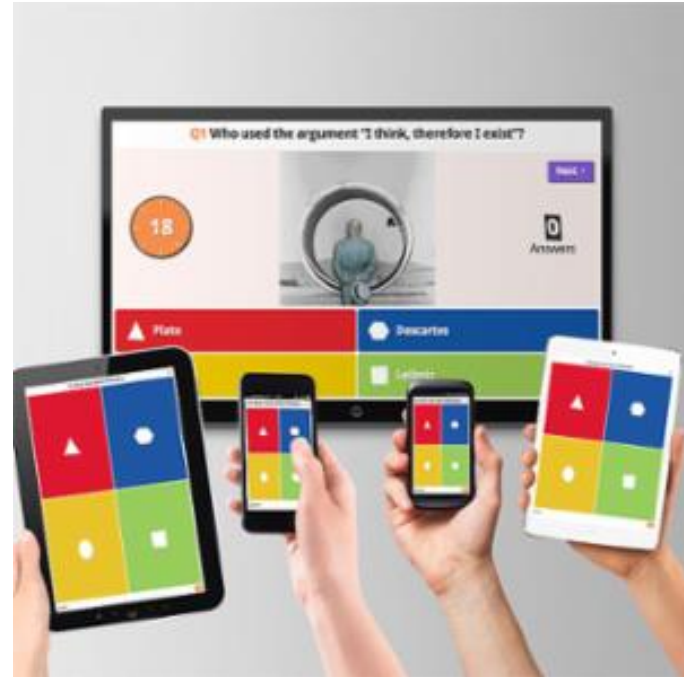


Your Turn

Go to Kahoot.it or use the Kahoot! app. (On a computer, show Zoom window and Kahoot side-by-side)

Enter Game PIN and a nickname

When the game begins select the color that matches the correct answer.



Desmos

Graphing Calculator +

- Student Explorations
- Instructor Demonstrations
- Interactive Lessons



Desmos Activities

When you are the teacher
go to:

teacher.desmos.com

to search for activities.

But right now, you are the
student....

The screenshot shows the top of the Desmos Activities website. At the top is a search bar with the placeholder text "Search for an activity" and a magnifying glass icon. Below the search bar is a light blue banner with the text "Get Started With Desmos Classes" and a small rocket icon. Underneath is a section titled "Featured Collections" with a "View All" link on the right. There are three featured collection cards:

- Starter Screens**: "By Desmos" 5 Activities. Description: "These activities offer starter screens that you can copy and paste into your activities. They are divided here by their different purposes." The icon shows three overlapping document screens.
- Distance Learning – Algebra**: "By Desmos" 7 Activities. Description: "The activities in this collection are designed for Algebra students, and are especially useful in distance learning settings." The icon shows a network diagram with nodes and connecting lines.
- Quadratic Functions**: "By Desmos" 9 Activities. Description: "These activities are designed for algebra students studying quadratic functions as tables, graphs, and equations." The icon shows a coordinate plane with a parabola and a table.

Your Turn

Hey, students!

Go to student.desmos.com
and type in:

5UG 2GS



Flipgrid

Video Discussion Tool

- Ice Breaker
- Math Discussion
- Formative Assessment



Flipgrid



Discussion > 90 Seconds About You

Aug 17, 2020

90 Seconds About You

Share

Actions ▾



14 responses • 898 views • 54 comments • 19.8 hours of engagement

Make and upload a 90 Second Video about you.

Tell your life story in 90 seconds









or

Tell one or a few things about yourself.

Join Code: [c5a6aea7](#)



14 views

<hr style="border: 2px solid orange;"/>							
<input type="checkbox"/>			Paige G. 32 views	Aug 26, 2020	3 Comments	-	Active ▾ Share Actions ▾ ⊕
<input type="checkbox"/>			Eric E 33 views	Aug 26, 2020	-	-	Active ▾ Share Actions ▾ ⊕
<input type="checkbox"/>			B Kooper Cla... 50 views	Aug 25, 2020	5 Comments	-	Active ▾ Share Actions ▾ ⊕
<input type="checkbox"/>			Faith B. 78 views	Aug 25, 2020	9 Comments	-	Active ▾ Share Actions ▾ ⊕

Your Turn

1. Click on this link to join our Flipgrid Topic
<https://flipgrid.com/94753ad2>
(I'll put it in the chat)
2. Watch the brief intro video
3. Make a very short Flipgrid response:
Tell us something.
Show us something.
Write on your handheld whiteboard. OR
In Effects, choose a whiteboard and draw.
4. Make a video comment response



Search YouTube for How-to

Search:

“How to use _____ in Zoom.”

“Math Assessment with _____”

“How to teach remotely with _____”

“How to create _____”

Also, check out:

JamBoard

NearPod

Socrative ... and more!





Questions?



Upcoming 4th National
Mathematics Summit

June 14 & 15, 2021

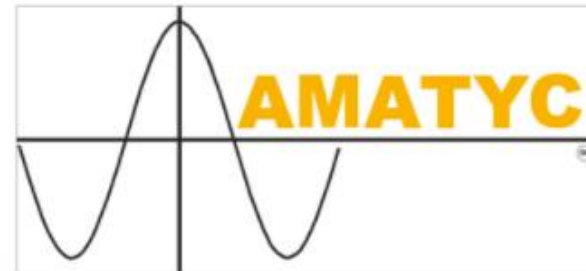
Westgate Resort and
Casino

Las Vegas, NV

Questions??

NOSS

NATIONAL ORGANIZATION FOR STUDENT SUCCESS



The University of Texas at Austin
Charles A. Dana Center



CARNEGIE MATH
PATHWAYS
WestEd



MAA

MATHEMATICAL ASSOCIATION OF AMERICA



Upcoming 4th National Mathematics Summit

June 14 & 15, 2021

Westgate Resort and Casino
Las Vegas, NV

Planning Leadership Team

Annette Cook, Paul Nolting, Julie Phelps and Nancy Sattler

Steering Committee

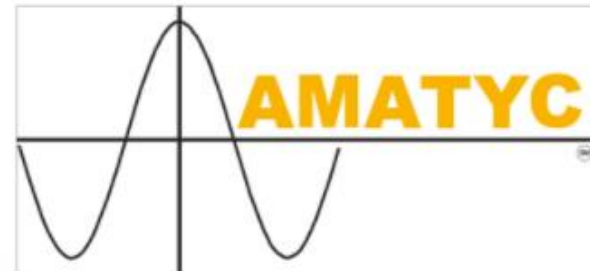
Christina Cobb and Denise Lujan (NOSS)

Rochelle Beatty, Kathryn Van Wagoner, and Laura Watkins (AMATYC)

Connie Richardson and Paula Talley (Charles A. Dana Center)

Ann Edwards (Carnegie Math Pathways/WestEd)

April Strom (MAA)



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Upcoming 4th National Mathematics Summit

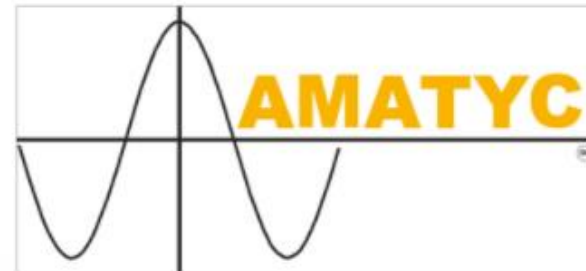
June 14 & 15, 2021

Westgate Resort and Casino

Las Vegas, NV

The 4th National Math Summit begins at 1:00 p.m. on **Monday, June 14th**, and features keynote speaker, Jenna Carpenter, concurrent sessions, and more. The program will conclude **Tuesday, June 15th** 5:00 p.m. This is a pre-conference to the NOSS 2021 conference and requires separate registration (<https://thenoss.org/Math-Summit/>)

The Math Summit is sponsored by AMATYC, NOSS, and Paul Nolting. Supporting partners include: Charles A. Dana Center, Carnegie Math Pathways/WestEd, and the MAA



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Upcoming 4th National Mathematics Summit

June 14 & 15, 2021

Westgate Resort and
Casino
Las Vegas, NV

September 18, 2 p.m. ET

Tools and Strategies for Engaging Developmental Mathematics

Students in Online and Virtual Environments

Presenters: Christina Cobb and Kathryn Van Wagoner

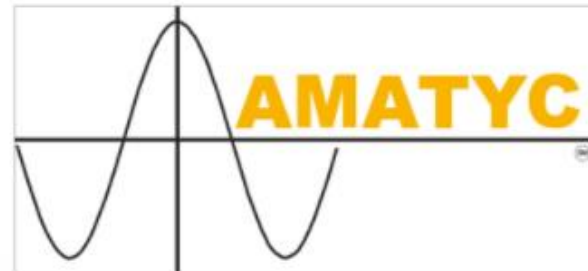
October 21, 2 p.m. ET

Advancing equity in mathematics pathways in the era of the pandemic

Presenters: Connie Richardson, Ann Edwards & Helen Burn

November: Professional Development & Department Issues in a Pandemic

January: Student Engagement



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