

00:15:47 Cindy Bryant: Greetings from Springfield, MO. Please change your chat setting to All panelists and attendees so everyone can see your chat posts!

00:15:51 Chonda Long:
<https://www.nctm.org/News-and-Calendar/News/NCTM-News-Releases/A-Statement-on-George-Floyd,-Breonna-Taylor,-and-Ahmaud-Arbery/>

00:15:59 Trena Wilkerson: Hello from Waco, TX!

00:16:11 Lora Deiter: Lora Deiter from Dickson, TN

00:16:14 Jorge Veloso: Hi from Angola.

00:16:17 Thi Nguyen: Thi Nguyen from Gladstone MO

00:16:20 Chonda Long:
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00:16:22 jeanine colwell: Hello from Newport, NC

00:16:26 Tonya McIntyre: Hi, I'm Tonya from Wadmalaw Island! Thank you so much for saying their names!!!

00:16:27 India Puch: India from SC

00:16:27 Christy Werner: Christy from Shillington, PA

00:16:27 Kendra Edwards: Hi from Brooklyn, NY

00:16:28 Arnold John Bulanadi: Hello. Arnold from Jacksonville, Florida

USPH

00:16:28 Sharon Black-MacKinnon: Good evening from New Brunswick Canada

00:16:29 Esther Winikoff: hello from Baltimore!

00:16:30 Belen Chug: Belen Chug from Maryland

00:16:30 Wendy Stocum: Wendy from Raleigh, NC

00:16:30 Karoulin Aljoris: hi Michigan

00:16:33 Tanya Landry: Hi from Baton Rouge!

00:16:35 jennifer SMITH: Wildomar, Ca

00:16:37 Karoulin Aljoris: how are you

00:16:38 Michael Lanstrum: Hello from Cleveland, OH

00:16:39 Myra Collins: Good Evening from Greentop, MO

00:16:40 Patrick Montague: Hello from Weslaco, Tx

00:16:42 Catherine Bronikowski: Hello from Milwaukee, WI

00:16:42 Michelle Funai: Aloha from Honolulu, HI

00:16:43 Nicole Baize: Hello from Greensboro NC

00:16:44 Yvette Fujimoto: hello from Washington

00:16:45 Aya Zvaizne: Kindest regards to all from Nashville, TN. Very happy to be here with you all.

00:16:45 Jill Ethridge: Hello from Smyrna TN

00:16:45 Roberta Ludwigsen-Hill: Hello from Alabama

00:16:46 Mary Dugas: Hi! Mary, Lafayette, LA

00:16:48 Olga Kosheleva: Hello from El Paso, TX

00:16:49 Laura Cranmer: Hello from Colorado

00:16:50 Veronica Kwok: Hello from Queens NYC

00:16:51 Jeanetta Glass: Hello from Memphis, TN!

00:16:54 Patti Gawronski: Hi from Texas

00:16:56 Shonda Moore: Hello from Austin, Tx

00:16:59 dana dulzo: hello from dana in novi mi

00:17:01 Chrystina Harich: Hello from Salt Lake City UT

00:17:02 Paula Wardell: Hello from Detroit!

00:17:04 Jonna Alexander: Hello from Texas

00:17:04 Dale Pasino: Peace from Worcester MA
00:17:04 Kevin Dumity: Hi from Bartow, Florida
00:17:04 E004912: Hi. Good evening, from Franksville, WI
00:17:05 JAN SANDS: Jan Sands from Oklahoma
00:17:07 Lorie Huff: Hello from Fayetteville, Arkansas
00:17:07 Pamela Liegl: Good evening from Streator, IL
00:17:10 Paige Whitacre: Paige from Tucson, AZ
00:17:11 Dr Deborah Smith: Hello, from Antioch, TN
00:17:12 Kathleen Knight: Hello from Lewiston, ME
00:17:17 Kathryn Del Prete: Hi from NYC
00:17:18 paloma carrera: Hi from El Paso, Tx
00:17:22 Grace Vaught-Smith: Hi from Rifle, CO
00:17:27 Samantha Bustos: Hey from Collerville, TN! Hey Jeanetta!
00:17:27 Lauren Johnson: hello from Southern California!
00:17:29 Laurie James: Aloha from Hawaii
00:17:29 Katherine Raiguel: Willow Grove, PA
00:17:31 Ann Assad: Hello from Paducah KY
00:17:31 Noe Eugenio: Hi from Philippines!
00:17:33 Rolando II Delos Reyes: Hello good morning from Manila Philippines!!
PHPPH
00:17:45 Jacqui Lehmkuhl: Good Evening from Troy, Ohio
00:17:48 LeAnna Deveaux-Miller: FROM THE BAHAMAS-Good Evening
00:17:48 Randhelle Arma: Hi from Philippines!
00:17:50 kate abernethy: Hello from GA
00:17:52 Myra Absin: Good morning, from Philippines.
00:17:58 Laurie Walker: Hello from Northampton,MA
00:18:06 Faith Peddie:
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00:18:07 Chonda Long:
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00:18:13 Karli Floyd: Hi from the Dominican Republic!
00:18:20 Rosalyn Bantay: Good morning from Philippines
00:18:22 Philip Mojares: Hello from Somerton, Arizona
00:18:26 Victoria Campbell: Hello from Tucson, AZ
00:18:27 Nora Marasigan: Hello from Batangas, Philippines
00:18:28 Pam Wilson: Hi from Lake Cumberland, KY!
00:18:30 Patti Scharschmidt: Hello from Victoria, TX
00:18:36 Diane Thole: Hi from Diane in Bronxville, NY
00:18:39 Haohao Wang: hello from southeast MO state University.
00:18:41 Ana Guerrero: Hello from IL
00:18:44 Viragni Chand: Viragni from California
00:18:45 Scott Ing: hello from california
00:18:46 Chonda Long:
<https://www.nctm.org/News-and-Calendar/News/NCTM-News-Releases/A-Statement-on-George-Floyd,-Breonna-Taylor,-and-Ahmaud-Arbery/>
00:18:46 Shauna Suggs: Hello from Crawford, TX
00:18:46 Mugdha Patil: Hello from Fremont, CA
00:18:52 Faith Peddie:

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00:18:55 Angelita Beltran: Hello from Waukegan, IL

00:18:57 Janice Magauay: Hello from MD

00:18:57 Bryan Bagala: Hello from Westchester, NY

00:18:57 Sharon Black-MacKinnon: thank you for sharing that statement

00:18:58 Faith Peddie:

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00:18:59 W Tad Johnston: Hi from DC -

00:19:02 Dave Hankin: Hello from Globe, Arizona, originally from Lower Bucks, PA

00:19:04 LeAnna Deveaux-Miller: Thank you NCTM- Lets work to heal our World

00:19:09 Ronald Austria: Hi from North Carolina

00:19:18 Marilu Deal: Hi from Ottawa, Ontario, Canada

00:19:21 Nikesha Harris: Hello from Miami

00:19:24 Shashidhar Belbase: Hello from Al Ain, UAE.

00:19:26 Justin Klinger: Hi from Romeoville IL

00:19:26 Dave Hankin: County that is

00:19:30 Denise Walston: hi from Chesapeake, Va

00:19:32 Robert Manzi: Rob NY

00:19:32 Caitlin Maguire: Hello from Providence, Rhode Island

00:19:35 Fardowsa Mahdi: Hello from Flower Mound, TX

00:19:36 Dana Rozman: Milwaukee WI

00:19:38 KIMBERLEY SALZMANN: Hi from Chicago suburbs

00:19:38 Regina De Chavez: hello from lipa city Batangas Philippines

00:19:41 Valerie Kopinski: Hello from Maryland!

00:19:44 Gretchen Mae Empuesto: Good morning from the Philippines!

00:19:47 Tiana Partridge: Hello from Logan, Utah!

00:19:49 Mary Keane: Hello from Maryland

00:19:52 Christina Cobb: Hi everyone from TN

00:19:54 Silvia Vargas: Hello from Chicago IL

00:19:55 Candice Smith: Hello from Candice in Statesville, NC

00:19:56 Rebecca Peiffer: Hello from Phoenix, Arizona

00:19:57 Dian Kurniawan: Good morning from west java, Indonesia

00:20:03 Melissa Arsen: Hi from Dallas, TX! :)

00:20:03 Dewey Gottlieb: Aloha from Hawaii!

00:20:06 Michelle Webb: hello from Nashville tn

00:20:06 Daniel Irving: Hello from North Providence, RI!

00:20:08 Faith Peddie: Welcome everyone! Thank you for joining us tonight.
Enjoy the session!

00:20:16 Jeff Shih: Hi from Las Vegas

00:20:18 Chance Nalley: Chance Nalley, NYC

00:20:18 Emma Farrow: Hello from Cincinnati, OH

00:20:21 Abdul Razak, Dr: Abdul Razak from Malaysia

00:20:22 Veronica Elfe: Hi from Charlotte, NC

00:20:46 Sarah Ambeault: hello from PA

00:20:50 Mary France Oliveros: Hi from Manila, Philippines

00:20:54 Rommel Daz: Hello from Zambales, Philippines

00:20:55 Lesly Brown: Hello from Tennessee.

00:21:01 Faith Peddie: Go Joanna!!
00:21:03 Andrea Butler: Hello from another NBCT!
00:21:14 Mark Phipps: Hey from Mesa, Arizona
00:21:16 Jennier Ryan: welcome
00:21:17 cvalentini: Hi, from PA
00:21:20 Shonda Moore: Welcome!
00:21:20 Roberta Ludwigsen-Hill: Welcome!
00:21:22 Tiana Partridge: WELCOME, Joanna!
00:21:22 Susan Moore: Welcome!
00:21:23 Amy Brunson: Welcome!
00:21:23 Yvette Fujimoto: welcome
00:21:23 Bonnie Basu: Welcome Joanna!
00:21:23 Katie Gray: Welcome!!
00:21:24 Pam Wilson: Hi Joanna!
00:21:25 Candice Smith: Welcome!
00:21:26 Laura Larsen: Welcome from Hampton,VA
00:21:26 JBRESLOW: Welcome
00:21:26 Alison Frost: Woo woo!
00:21:28 Veronica Elfe: Welcome
00:21:28 Victoria Campbell: Welcome Joanna!
00:21:29 E004912: Welcome!!!
00:21:29 Diane Thole: Welcome!!
00:21:30 Zubia Majeed: Welcome!!!
00:21:30 Art Scrivener: Hello from Eminence KY
00:21:30 Kathleen Knight: Welcome Joanna
00:21:31 Flora Wright: Hello from Maryland
00:21:31 Elaine Dupree: Welcome!!
00:21:31 Paula Wardell: Welcome!!!!
00:21:32 Angelita Beltran: WELCOME!
00:21:32 Richard Miles: Welcome
00:21:32 Michele Bache: welcome
00:21:32 Patricia Posey: Welcome!
00:21:33 harry holloway: greetings!
00:21:33 Gwendolyn Denham: Hello and Welcome
00:21:35 Christine Rudakewycz: Welcome!
00:21:36 Cindy Bryant: So glad to have you with us this evening Joanna!
00:21:38 Marie Whybark: Hello from Ann Arbor, MI
00:21:39 Shauna Suggs: Welcome! Thank you for sharing your time!
00:21:39 Jean Macheledt: Welcome, Joanna - from Colorado!
00:21:40 Sharon Black-MacKinnon: Welcome Joanna
00:21:43 Stephanie Byrd: Welcome!
00:21:43 Manisha .: welcome
00:21:44 Dave Hankin: Hello Joanna....
00:21:44 Elaine Everts: Hello Joanna! Thank you for doing this for us!!!
00:21:45 Ann Marellin: Thank you for presenting Joanna!
00:21:52 JANICE OLIVERA: Good evening, watching from Saudi Arabia!
00:21:53 Sophia Ramdass: Hello from Poplar Grove
00:22:01 kate abernethy: Welcome and thanks for doing this Joanna!
00:22:01 Alison Walker: Hello Alison Walker Darien, Georgia!
00:22:10 Patrice Bridgewater: Hello everyone! From Brooklyn, NY!

00:22:16 Lawanda Mahomes: Hello everyone! Chicago, Illinois
00:22:20 Peter Zimmerman: Welcome Joanna from Peter in Elizabeth City,
NC
00:22:23 Faith Peddie:
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00:22:23 Kimberly Brown: Hello from NW Arkansas
00:22:26 Alison Walker: Hello and Welcome Joann!
00:22:31 Jack Gallery: Hello and thanks Joanna from Flint, MI!
00:22:40 Michelle Funai: LOVE Hamilton!!!
00:22:47 Tonya McIntyre: YES!!!!!!!!!!!!
00:22:49 Lorie Huff: Thank you for making that statement, Joanna!
00:22:50 Michelle Funai: Yes!!!! July 3!
00:22:55 Dr Deborah Smith: I love Hamilton!!
00:23:13 PATRICK GUERRA: Good morning from Philipppines
00:23:18 Michelle Funai: How did you make that Hamilton star with your
Bitmoji???
00:23:43 Susan Hanson: Hello from Albert Lea, MN
00:23:50 Shauna Brown: hi from Brooklyn,ny
00:24:03 Myra Absin: Welcome.
00:24:53 Faith Peddie: Victoria, do you have a specific question?
00:25:03 Faith Peddie: April, do you have a specific question?
00:25:08 Claudia O'Keefe: Hello from Buffalo NY
00:25:15 Catherine Bronikowski: I was lucky enough to take a group of my HS
students to Hamilton when show was in town
00:25:26 Susan Jones: She is some kinda slick ;)
00:25:40 Larry Arnett: hello Central Texas
00:25:55 Dave Hankin: Nice!!
00:26:39 Sue Draper: Hello from Niagara Falls NY

00:26:59 Dee Crescitelli: Go UK!
00:27:19 Sreevelmurugan Vamadevan: Sreevelmurugan from Miami Az
00:27:20 Elaine Everts: great clip!
00:27:38 Dave Hankin: Hello from Globe (again)
00:27:50 Randhelle Arma: great introduction with that clip!
00:28:14 ALICIA PARUGINOG: hello from Pholippines
00:28:15 Nick DiGrispino: sorry having trouble with wifi
00:28:17 Jacqui Lehmkuhl: I love that "How can we get our mathletes to
feel part of something bigger than them!" I sense your passion and love for them.
00:28:47 Rommel Daz: # dreamchasers
00:29:25 Elaine Dupree: This is awesome!! I love goal setting!!!
00:29:30 Candice Smith: Yay fellow hs math teacher!! Love this
00:29:58 Jean Macheledt: Love that term mathletes :) I've been a boys (I have
sons) soccer coach, little league baseball team manager, hockey team manager -
everyone's mom!
00:30:10 Faith Peddie: The presentation will be available alongside the
recording tomorrow at www.nctm.org/100
00:30:22 KEISHA SMITH: Where did you get the frames...Our 5 Years, and the
faces?
00:30:23 Sonnia Villegas-Gonzalez: Hello from Rhode Island

00:30:25 Faith Peddie: Cheryl, do you have a specific question?
00:30:28 Rommel Daz: This is exciting, thank you
00:30:35 Faith Peddie: Dianne, do you have a specific question?
00:30:39 Caitlin Maguire: Love this idea!
00:30:45 Cindy Bryant: Good morning @Imelda
00:30:50 Jacob Waxenberg: Wonderful activity for the kids
00:30:55 Dave Hankin: I'd love to have that much "free" wall space!
00:30:56 Sandhya Raman: Great way to start!
00:31:01 Sophia Ramdass: I have 150+ students....no where near enough room to
post on my one wall :(
00:31:09 Sophia Ramdass: but I like the idea
00:31:21 Jacqui Lehmkuhl: That is a great book! Must read Necessary
Conditions.
00:31:30 Susan Jones: I'm glad there are "safe responses" for the students
who "don't know." Some of my students come with enough baggage that they're not
going ot trust first day with dreams if they are even sure t hey can have them.
00:31:43 Kevin Bandura: It's possible to make the faces small enough to
fit,even if you have lots of students
00:31:59 Faith Peddie: The text is called "Necessary Conditions" by Geoff
Krall
00:32:00 Gwen Jelly Bentayao: Good Morning from the Philippines!
00:32:05 Dr Deborah Smith: That's a good idea @ Kevin B.
00:32:16 Zubia Majeed: I do Smart Goals at the beginning of the year and
hang these up for them to see....I also have them keep a copy of it so they have it
in their folders as a reminder....but this is a nice idea...very visual.
00:32:23 Dian Kurniawan: academic safety, students, teacher, lecturer,...
00:32:28 Nick DiGrispino: I like it
00:32:51 Jet Yeung: Great way to start the year
00:32:54 Zubia Majeed: I like the countdown!
00:34:30 Dr Deborah Smith: This is great!
00:34:38 cvalentini: Do students have the option to choose not to share?
00:34:44 Tiana Partridge: That's awesome that the students share their
dreamboards with each other!
00:35:13 Bonnie Basu: This will really help build that community online by
building the Google Slide deck for the upcoming year.
00:35:32 Zubia Majeed: Nice progression....paper/bulletin board to
digital..own slide....to something more personal on flipgrid
00:35:34 Susan Jones: Tiana that was my thought -- Having a "safe option"
is important.
00:35:48 Dr Deborah Smith: Flipgrid is a great way to get students
involved
00:36:09 Denise Walston: learning so much during these sessions
00:36:10 Dr. Mukesh Grover: Dr. Mukesh Grover
Department of Mathematics
MRSPTU BATHINDA 151001 PUNJAB INDIA
mukeshgrover@mrsptu.ac.in
00:36:30 Jean Macheledt: Yes! "What are you doing now to get to where you
want to be?" even if just short.
00:36:52 Faith Peddie: Lam, do you have a specific question?
00:37:09 Faith Peddie: Shreemant, do you have a specific question?

00:37:17 Caitlin Maguire: I love the how to be a math person sticker.
00:37:23 Zubia Majeed: Stickers...nice! We are one to one tech too so this is a great idea!
00:37:32 Katia Amaral: Love it
00:37:37 Jennier Ryan: Yay Shana McKay. Love her stuff
00:37:48 Nick DiGrispino: love the how to be a Math person
00:38:09 Patricia Posey: Stickers have started near riots when someone didn't get one!
00:38:14 Jean Macheledt: I make stickers with my drawings and photography. Ready with some for August 2020... even if we're not in classrooms, yet.
00:39:08 Sandhya Raman: Love it
00:39:19 Claudia O'Keefe: there is so much to be said for appropriate and intentional cheesiness!
00:39:29 mike murphy: student jobs
00:39:49 Bonnie Basu: Great idea of the hashtags and having certain openers for each day!
00:40:00 Sonnia Villegas-Gonzalez: I love this poster
00:41:25 W Tad Johnston: THanks for changing your presentation to reflect the current situation
00:41:48 Dian Kurniawan: how monday for everyone
00:41:57 Sandhya Raman: Wow ...love this
00:42:07 Sandhya Raman: Mine tooooooooo...
00:42:11 Mohamed Jamaludeen Thirapusa Mohaideen: Thanks so much for the resource- Mochamed, CT
00:42:23 Susan Jones: The gentle structure and routine -- I am so prone to forget how important that is.
00:42:25 Mohamed Jamaludeen Thirapusa Mohaideen: Mohamed CT
00:42:31 Dian Kurniawan: we can't see Kobe again...
00:42:32 Cindy Bryant: Great stuff Joanna!
00:43:03 Dr Deborah Smith: Great quotes!
00:43:18 Jean Macheledt: Well said: "Genius... Strength... Courage... "
00:43:31 Dr. Mukesh Grover: wow
00:43:35 harry holloway: A lot of good stuff here.
00:43:59 harry holloway: letting go of content is part of teaching the content.
00:44:07 Rommel Daz: Lots of ideas, love it!
00:44:15 Dr Deborah Smith: Yes, we do need to talk about things that are happening with our students!
00:44:21 Emerson Roman: Padlet is great!
00:44:28 Susan Jones: Oh, I need to remember Padlet!!!
00:44:38 Beth Kobett: We teach more than mathematics!
00:44:49 Beth Kobett: Padlet is so easy to use!
00:44:51 harry holloway: I am glad she is sharing this later. A lot here.
00:44:57 Cindy Bryant: Yes, we do @Beth!
00:45:01 Faith Peddie: Lam do you have a question?
00:45:48 Susan Jones: I appreciate that you doing it first isn't done with too much perfectionism (that can be so intimidating)
00:46:32 Nick DiGrispino: I used estimation 180
00:46:48 Claudia O'Keefe: Connecting math ed to real life is so important to students! Even if it's not specifically math subject related!

00:47:15 Lauren Johnson: yea!!!

00:47:25 Andrea Butler: I use which one doesn't belong and estimation 180 with my high schoolers

00:47:26 Bonnie Basu: Did number talks with my high schoolers this year and helped students become comfortable talking about math because it's low floor. Reduces the affective filter considerably for high school students.

00:47:36 Dr Deborah Smith: Estimation180 is great to use.

00:47:39 Gwendolyn Denham: Yes I love that one

00:47:49 Tasbiha Chowdhury: what interface is this?

00:47:59 Candice Smith: I use wodb.ca its great, kids struggle with it though, they think there is only 1 that doesn't belong, I have to ask guided questions.

00:47:59 LeAnna Deveaux-Miller: I teach elementary...cant wait to try this

00:48:01 Diane Thole: That's my first day of school opener and the kids love it. Gets them talking.

00:48:21 Sophia Ramdass: Not sure if this was answered...how long are your class periods

00:49:02 Susan Jones: It's *so* critical that "thinking Thursday" isn't something random and threatening ;)

00:49:21 Bonnie Basu: <https://www.samebutdifferentmath.com/>

00:49:39 Josie Ramos-Leyva: Hi Joanna, what math classes do you teach?

00:50:19 harry holloway: She has a lot of bulletin board space!

00:50:19 Mary Fisher: Joanna - How long are your classes?

00:50:36 Zubia Majeed: Nice way to remind students that they actually did the math and to get the conversation going!

00:51:05 Dian Kurniawan: Are mathematicians different from math person ?

00:51:23 Mary Fisher: How long do these activities take each day?

00:51:47 Silvia Vargas: You really have to be tech savvy

00:51:55 Gwendolyn Denham: check in screen that is cool

00:51:57 Sophia Ramdass: my freshman classes are only 50 minutes and by the time 30+kids get settled, attendance is take, any bellringer type activity I do has to be quick to get the lesson started and allow time for cleanup/closure as we use CPM. Thanks!

00:52:30 Mark Phipps: That check in screen can be copied into any Desmos activity

00:53:12 harry holloway: I was lucky to get 60% participation.....

00:53:29 Veronica Kwok: All my students are recent immigrants who struggle with English and technology. I love the intention behind everything, but sometimes typing something is a struggle. Are students typically on computers during class?

00:53:44 Dee Crescitelli: Such a great book!

00:54:43 Emerson Roman: This presentation just keeps getting better and better.

00:54:57 Andrea Butler: I agree! Joanna is amazing!

00:55:04 Faith Peddie: I agree Emerson!

00:55:09 Tiana Partridge: WOW! I've been looking for something like this in my class! Thank you!

00:55:11 Cindy Bryant: Agree @Emerson!

00:55:16 Katia Amaral: Great idea

00:55:17 Dr Deborah Smith: I agree!

00:55:17 Danielle Grenader: Yes! So great!
00:55:18 Bonnie Basu: So what does that look like online?
00:55:28 Myra Absin: Excellent.
00:55:46 harry holloway: I have too many students to set up my desks like
this.....
00:55:50 Faith Peddie: @Bonnie, I could picture this being your Google
Hangout or Zoom breakouts
00:56:09 Nick DiGrispino: so many wonderful resources
00:56:09 Art Scrivener: My room is not that spacious.
00:56:12 Bonnie Basu: Thank you Faith.
00:56:20 Trena Wilkerson: Also @Bonnie zoom has a random feature to
form breakout rooms.
00:56:28 Veronica Kwok: same @ Art
00:56:28 Candice Smith: love this book Mathematical Mindsets
00:56:31 Lisa Bailey: Love Jo Boaler!
00:56:48 Claudia O'Keefe: Group work will be something difficult until
we're totally done with Covid
00:56:52 Bonnie Basu: @trena, I forgot about that! Thank you!
00:56:53 Dr Deborah Smith: You Cubed is awesome
00:57:40 Karoulin Aljoris: what is the name of last book??
00:57:55 harry holloway: I did this, and my students downloaded ones from the
desmos sight before I knew that could do that....
00:58:00 Lisa Bailey: Mathematical Mindsets
00:58:01 Lauren Johnson: becoming the math teacher you wish you'd had
00:58:05 Emerson Roman: ntbos????
00:58:07 Lauren Johnson: by Tracy zager
00:58:13 Faith Peddie: @Karoulin Mathematical Mindsets by Jo Boaler
00:58:14 Bonnie Basu: Hi Lauren!
00:58:14 Lisa Bailey: by Jo Boaler
00:58:15 Elaine Everts: These are awesome projects
00:58:22 Lauren Johnson: hi Bonnie!!
00:58:30 Lesa Turner: Great ideas!
00:58:44 Cindy Bryant: <https://mtbos.org/>
00:58:50 Karoulin Aljoris: thank you faith
00:58:55 Lisa Bailey: www.youcubed.org
00:58:58 Veronica Kwok: How did you help students get used to the notation
necessary to get Desmond to work?
00:59:07 Rommel Daz: Great project
00:59:08 Emerson Roman: Thanks @Cindy
00:59:09 Natalee feese: Thanks, Joanna, for sharing your expertise. It is
evident your passion for kids and math - and you model being a continual learner.
Great job.
00:59:29 Elaine Dupree: This is sooo cool!!!
00:59:35 Beth Kobett: @Dee - I agree! Open projects lead to creativity!
00:59:39 Jacqui Lehmkuhl: Love the meme and composition of functions.
00:59:54 Gwendolyn Denham: I have been doing the same projects for the
past 5 years. I love these new fresh ideas.
00:59:55 Bonnie Basu: Example of Desmos activities:
<https://teacher.desmos.com/collection/5da6476150c0c36a0caf8ffb>
01:00:19 harry holloway: nice stuff...

01:00:31 Candice Smith: neat
01:00:40 Candice Smith: And very relatable for the students
01:00:43 Marilu Deal: Love the meme project.
01:01:00 Faith Peddie: Janine, do you have a specific question?
01:01:09 ALICIA PARUGINOG: love this
01:01:11 Faith Peddie: Veronica, do you have a specific question?
01:01:40 Cruz Flores Vazquez: Just because I think I'm overthinking it, is the pringles really 17*17*17? I feel like theres more to it?

But definitely a really great assignment idea

01:02:27 Susan Jones: Another analogy I've seen is that math class should be a *pump* not a fileter.
01:02:29 Susan Jones: filter
01:02:43 harry holloway: What does mastery mean?
01:02:57 Angelita Beltran: What does mastery look like?
01:03:06 Janice Magauay: How do you define mastery to your students?
01:03:45 Art Scrivener: I define it as:
01:04:18 Susan Jones: This is totally tied to the *first day of class* being about chasing dreams... intrinsic motivation.
01:04:19 Laura Larsen: how do you measure mastery?
01:04:37 harry holloway: so, mastery is ... not well defined.
01:04:38 Art Scrivener: I define mastery as 0 not effort, 1 need help on every step, 2 can do part on their own, 3 can do most on their own, 4 can do all on their own
01:04:42 Veronica Kwok: I love all these ideas for projects especially since I'm trying to figure out more accessible projects for my ELL immigrant students. I'm wondering about what kind of explicit teaching needs to happen for students to be successful in using all these great resources/technologies? Does her classroom have ELLs or students with (dis)abilities who will struggle with this and what she does to support them?
01:04:42 Gwendolyn Denham: Love it. For a student it is a lot easier to get to a 3 or 4, than trying to get 80% or 100%
01:04:55 Bonnie Basu: This is great as she is emphasizing that it takes multiple attempts to chase their dreams!
01:04:59 cvalentini: Is your whole school using Target Based Grading? How is it handled if you use it but other Math teachers use traditional grading?
01:05:01 harry holloway: so mastery is doing not understanding.
01:05:29 Susan Jones: Oh, how ... noncompetitive and healthy :P
01:05:37 Dave Hankin: continuous improvement for us all..
01:05:44 Lauren Johnson: beautiful!!
01:05:45 harry holloway: If you are chasing a dream, we never reach mastery.
01:06:04 Dian Kurniawan: It's nice to be better, but it's better to be nice....
01:06:07 Susan Jones: ... and we don't need to *reach* it. We can keep moving forward.
01:06:26 Sandhya Raman: Love that...3 words to describe me..
01:06:40 Lauren Johnson: you really have to be brave to ask that question.
01:06:44 harry holloway: I have the students describe me about twice a year.
01:07:24 Lauren Johnson: woot woot!! Desmos!!!
01:07:28 Tiana Partridge: Super cool opportunity!!

01:07:31 Katia Amaral: Wow!
01:07:37 Janice Magauay: Nice!
01:07:41 Angelita Beltran: WHAT?!?!? That's awesome!
01:07:51 Elaine Everts: I am learning Desmos and love using it!!!
01:08:05 Jolene Peterson: Teachers have to engage in the work to define mastery as well as the evidence. Collaborate with students and stakeholders. When we set attainable, but high standards, with the ability to redo their work, students can and will reach those higher standards. And they'll be better for it. And so will you, as the teacher.
01:09:23 Bonnie Basu: @Jolene - well said! :-)
01:09:34 dana dulzo: totally not what I expected, but totally loved this webinar. thank you so much
01:09:37 Olga Fellus: Did anyone capture the two lowest levels in the target-based grading? :)
01:10:07 Andrea Butler: 2 is attempt at learning
01:10:15 Andrea Butler: 0 is no evidence
01:10:18 Katie Gray: @Olga... 2 is attempt at Mastery and 0 is No evidence
01:10:19 Susan Jones: I love love love that you're still learning and growing and their dreams are the priority.
01:10:25 Sandhya Raman: I'm soooo touched...I may cry!! :-(
01:10:31 Purnima Mehta: Students need continuously review their goals
01:10:37 Shauna Brown: great idea about a farewell
01:10:44 Dewey Gottlieb: I love your spirit and passion. Thanks for giving us so many practical and doable examples of how to humanize the teaching and learning math
01:10:56 Lauren Johnson: <3 John!!
01:10:57 Pamela Liegl: Thanks Joanna for an enlightening, wonderful presentation,
01:11:13 harry holloway: Not very diverse student body.....
01:11:24 Jolene Peterson: Thanks for your authenticity!
01:11:24 Cindy Bryant: Such a great presentation and resources!
01:11:35 Purnima Mehta: thnx
01:11:35 Thi Nguyen: awesome! Thank you!
01:11:39 Randhelle Arma: Such a great presentation!
01:11:46 Jean Macheledt: Love the Farewell Address idea!! ... including the toast.
01:11:49 Dian Kurniawan: little taste of drink together
01:11:50 Lawanda Mahomes: Awesome Presentation! I love it! Thank you!
01:11:51 Karoulin Aljoris: very nice
01:11:53 Randhelle Arma: Thank you for this sharing
01:12:01 Trena Wilkerson: Joann-Thank you for amazing ways of supporting students in developing a positive math identity and mathematical agency! This is empowering for the students!
01:12:02 Karoulin Aljoris: I learned from others a lot
01:12:04 Karoulin Aljoris: great
01:12:05 Dian Kurniawan: thank you for sharing
01:12:05 Melonie Smith: I love the idea of giving a "Farewell Address" at the end of school with a "toast"
01:12:07 Lauren Johnson: fantastic job! thank you for sharing your dream chasing strategies with us!!

01:12:08 Jacqui Lehmkuhl: Awesome job! Well Done!
01:12:09 Elaine Dupree: I'm really getting teary eyed! So sweet! Wow
01:12:11 Alexandra Groseta: Thank you this was awesome!
01:12:12 Caitlin Maguire: Thank you for this webinar
01:12:23 Philip Mojares: Thank you so much!
01:12:26 Haohao Wang: thank you.
01:12:27 Candice Smith: you can't really assume that its not really diverse
just based on pictures of students, diversity comes in all shapes, sizes, colors,
backgrounds, social levels...
01:12:28 Rosalyn Bantay: Love the presentation ♡
01:12:29 Rommel Daz: Thank you
01:12:29 KEISHA SMITH: Awesome ideas!!!
01:12:30 Cynthia Parrott: This was great - thanks!
01:12:31 Christina Cobb: Thank you!!
01:12:31 Colleen Griffin-Roland: This was EXCELLENT! Thank you!
01:12:32 kate abernethy: BRAVO!!!!
01:12:32 Sandhya Raman: Love it...we are all part of history ..in the making.
01:12:32 Sima Deeb: Thank you this is awesome!
01:12:33 Debra Reed: wonderful!! thank you
01:12:35 ALICIA PARUGINOG: awesome, thank you!
01:12:35 Dr Deborah Smith: This was an awesome webinar!
01:12:35 Katia Amaral: Thank you so much
01:12:37 Joseph Townson: Thank you so much!
01:12:38 Candice Smith: Thank You!!!
01:12:38 Melissa Arsen: Thank you so much!
01:12:38 Jill Ethridge: Thank you this has been so inspiring
01:12:39 Zubia Majeed: Thanks for sharing your awesome ideas!
01:12:39 Christy Werner: one of the best webinars I have attended:) Thank
you
01:12:39 Janice Magauay: You are awesome! Thank you so much!
01:12:39 Alison Frost: Thank you!
01:12:40 Claudia O'Keefe: This was outstanding! Thank you!
01:12:40 Nick DiGrispino: wonderful presentation
01:12:40 harry holloway: very good!
01:12:41 Cynthia Stowers: Thank you! Awesome ideas.
01:12:41 Angelita Beltran: Thank you! Great presentation!
01:12:42 Nicole Rigelman: Thank you!!
01:12:43 Gwendolyn Denham: awesome. thank youuuuuu
01:12:43 Patrick Montague: Thanks
01:12:43 Margie Acabal: Thank you so much..
01:12:43 Nicholas Bullman: Thank you!
01:12:43 Cecilia Lopez: :-)
01:12:43 Doris Garvey: Thank you - I though this was great! you are
impressive!
01:12:43 Nora Marasigan: Thank you so much!
01:12:44 Scott Ing: thanks joanna
01:12:44 Tori Neal: Thank you so much!!!!!!!!!!!!!!
01:12:44 Fevi Rahmawati Suwanto: Thank you so much!!!
01:12:45 Mary France Oliveros: Very Inspiring. Lot of learnings. Thank you
Joana, and NCTM. #DreamChasers, #100NCTM

01:12:46 Josie Ramos-Leyva: loved it!!!
01:12:46 HILARY OMOKAFFE: Thank you.
01:12:48 Denise Walston: wonderfully
01:12:48 Belen Chug: Thank you so much!
01:12:48 Mary Keane: Thank you.
01:12:49 harry holloway: Great work!
01:12:49 Elaine Dupree: Thanks so much for this rich content
01:12:50 Chrystina Harich: Thank you!
01:12:50 Andrea Butler: I wish I could clap!!:-)
01:12:51 Leslie Krefta: Thank so much
01:12:51 Olga Fellus: @Katie, Thank you! :)
01:12:52 Tiana Partridge: Thank you so much, Joanna!!
01:12:52 Roberta Ludwigsen-Hill: Thank you!
01:12:52 jeanine colwell: AMAZING!!!!!!
01:12:52 Veronica Kwok: 🙌🙌🙌🙌
01:12:53 Mary Dugas: thank you!!! so much good stuff
01:12:53 Mary Fisher: Thank you!!!
01:12:54 Danielle Grenader: Thank you so much! Amazing presentation!
01:12:54 Fevi Rahmawati Suwanto: So inspiring
01:12:54 Rebecca Peiffer: Thank you, that was amazing! :D
01:12:54 Marilu Deal: Thank you so much!
01:12:54 Melonie Smith: Excellent presentation
01:12:54 Denise Walston: thank you
01:12:55 India Puch: Yes, thank you!!
01:12:56 Robin Schwartz: awesome
01:12:56 Yong Foster: Thank you,!!
01:12:56 Susan Hanson: Such energy!!!
01:12:57 Jet Yeung: Great presentation. Love the start of the school year and the end of the school year with a great toast. thank you for all the information and resources. J
01:12:58 Larry Arnett: Fantastic, lots of great ideas
01:12:59 Menchie Besa: It's wonderful! Thank you SO much...
01:12:59 Laura Larsen: wonderful ideas
01:13:00 Richard Miles: Wonderful!! Thank you
01:13:00 Sabrina Wickens: Thank you so much!
01:13:00 Jean Macheledt: Thank you, thank you, thank you from Northern Colorado! Very well presented!
01:13:00 Stephanie Byrd: Thank you! Awesome!
01:13:00 Patricia Posey: That was awesome! Thanks for sharing the great ideas.
01:13:01 Paula Wardell: This was one of the best seminars I have ever been part of. Thank you so much!!!!!!
01:13:02 cvalentini: Thank you!
01:13:03 Victoria Campbell: Thank you so much for these great ideas!
01:13:04 Jennifer Gailey: Loved these ideas!
01:13:04 Sharon Black-MacKinnon: Thank you so much!! Awesome
01:13:04 Carmen Luna-Robledo: Absolutely Fantastic
01:13:07 FLORENCE MAE DELA CRUZ: Thank you so much 💕
01:13:08 Andrea Touhey: Amazing!!!!
01:13:08 Paige Kavanaugh: Thank you!!

01:13:09 Dave Hankin: Thank you from Globe, Arizona. Great material.
01:13:09 Michelle Funai: How did you make that Hamilton star???
01:13:10 Shonda Moore: GREAT sessions. Thanks so much.
01:13:11 JoAnn Hiatt: Super ideas!
01:13:13 Shauna Suggs: Thank you so much! You are an inspiration!
01:13:15 Sreevelmurugan Vamadevan: Very informative
01:13:15 Josie Ramos-Leyva: ideas for coteaching partners?
01:13:16 Denise Juern: Thank you! Loved this presentation!
01:13:19 Jacob Waxenberg: wonderful presentation
01:13:22 Emerson Roman: I teach mathematics IB, a 2 year course, so at the beginning of 11th grade, I had my students pick a "pet eraser" which I bought at a 5 dollar store. At end of 2 years all had them and we took a group photo with our pets. They also had give a name to their pets.
01:13:23 Amy Brunson: Great ideas!
01:13:27 Kristine Butz: Thank-you so much for your enthusiasm for teaching.
01:13:31 Lisa Hennefarth: This was absolutely amazing! Thank you!
01:13:31 Viragni Chand: Thank you Joanna. This was great.
01:13:31 Sharon Laahs: So amazing! Thank you!!
01:13:33 Kevin: Awesome presentation with great ideas! Thank you so much.
01:13:37 Lesly Brown: Thank you, Joanna! iLEARNED SO MUCH.
01:13:38 Joce: That was wonderful! Thank you!
01:13:41 Lorie Huff: Thank you, Joanna! Very inspiring and relationship building plan. Great way to connect with students. Thank you Beth, Faith, Chonda, Dave, Trena, and NCTM.
01:13:45 Sophia Ramdass: 60 minutes! Nice
01:13:45 JANICE OLIVERA: Thank you for sharing excellent ideas! very inspiring! #dreamchasers
01:13:46 Daniel Irving: Thank you for this incredible presentation!
01:13:46 Kathleen Knight: Do you have the same classes every day?
01:13:46 Menchie Besa: Superb Ideas!
01:13:47 Mariella Cacho: wow! Amazing presentation! Great ideas!
01:13:52 Ann Marellin: So many great ideas! I can't wait to try some of these ideas. projects and strategies.
01:13:53 Trena Wilkerson: Also see how much of this can translate to supporting teachers and having them be dream chasers!
01:13:59 Elaine Everts: Thank you so much all these great ideas! My room is decorated in Disney as I love going to Disney so following the Magic and Dreams will be neat!
01:14:15 Alison Walker: Thank you so much Joanna. I love your days of the week, and how you implement it!
01:14:28 Tim Hemann: Thanks for the great presentation!
01:14:28 Niniek Budhiastuti: wonderful sharing
01:14:37 Myra Collins: Thank you for caring so deeply about your students. Encouraging their dreams must be very empowering for them. Thank you!
01:14:39 Emerson Roman: ¡Muchas Gracias!
01:14:40 Candice Smith: My classroom is all about Harry Potter b/c I love it and this will fit in perfectly with that too!!
01:14:47 Noe Eugenio: That was awesome!!! Thank you Joanna. I like how you intentionally build classroom culture in your Math class!
01:14:49 Candice Smith: Thank you again!

01:14:51 Rolando II Delos Reyes: Thank you so much for your presentation
Joanna! P H P H P H

01:14:55 Bonnie Basu: Thank you Joanna!!!

01:15:00 C Robertson: Thank you. Uplifting!

01:15:03 Dave Hankin: I'm looking forward to the resources!

01:15:04 Mugdha Patil: Thank you! Loved the idea of creating your own brand
as a teacher! Thanks for sharing how you have changed as a teacher! It is inspiring
for us new teachers!

01:15:05 Peter Zimmerman: Superb

01:15:07 Jeanine Colwell: I got so many ideas, and I am going to watch
this again tomorrow

01:15:15 Myra Absin: Thank you.

01:15:18 Laura Larsen: How can we get links to the demos activities

01:15:19 Mary Dugas: THANK YOU TO THE TEAM!!!!!!

01:15:20 PATRICK GUERRA: Thanks a lot

01:15:24 beth blumberg: The Pringles question... You have to account for
order if you consider abc different than ace.

01:15:27 Patti Gawronski: Thank you so much! Such great ideas!!

01:15:29 Mayra Aversa: Thank you!

01:15:31 Trena Wilkerson: Go Team!!!

01:15:32 Sandhya Raman: You folks are amazing

01:15:32 Ana Alcaraz: Thank you!

01:15:36 Janice Magauay: Thank you!

01:15:36 Mohamed Jamaludeen Thirapusa Mohaideen: Thanks so much Mrs. Stevens
Math!

01:15:36 PATRICK GUERRA: Great job to the team

01:15:37 Sima Deeb: Thank you Guys!

01:15:38 Sharon Laahs: Thank you!!

01:15:38 Jack Gallery: Thanks!!

01:15:39 Fardowsa Mahdi: Thank you!

01:15:40 Candice Smith: Thank you all for these Webinars!!

01:15:42 Michelle Webb: Thanks everyone!

01:15:43 Elaine Everts: Thank You all!!!!

01:15:43 Patti Scharschmidt: Great ideas and way to present so much into
such a small space!!!!!!!

01:15:43 Susan Moore: Thank you!

01:15:44 Joyce Meier: Thanks for such an awesome presentation, Joanna!

01:15:45 Paula Wardell: Thanks team!!!

01:15:46 Stephanie Byrd: Thank you all!

01:15:47 Sabrina Wickens: Thank you for these wonderful webinars!

01:15:47 Shonda Moore: MUCH LOVE for all of your work.

01:15:47 Katie Gray: Thank you so much Joanna!

01:15:47 Elaine Dupree: Love you guys!! thanks

01:15:47 beth blumberg: Also do you want to account for aaa (Pringles
problem

01:15:48 Zubia Majeed: Awesome job to everyone who put this together!

01:15:48 Jean Macheledt: Would be great to have session with ideas, thoughts,
and such for starting the year off in remote learning.

01:15:49 Viragni Chand: Thank you to the Team.

01:15:49 Leslie Krefta: These have been great..thanks to all!

01:15:51 Kevin Dumity: Thank you very much for taking the time to do this. I'm leaving with many great ideas.

01:15:52 Victoria Campbell: Yes, the NCTM team is awesome! I'm learning soooo much!

01:15:53 Tori Neal: Thank you to EVERYONE involved with these amazing trainings!!!

01:15:53 dana dulzo: yes these webinars are awesome.....

01:15:54 Sharon Black-MacKinnon: Thank you to everyone involved in these presentations!!

01:15:55 Patricia Posey: Thanks for putting all of this together, it has been great!

01:15:57 Mary Fisher: Thank you to all!! I really have enjoyed the webinars!

01:15:57 Nick DiGrispino: thanks for supplying these awesome webinars

01:15:58 Tim Bobay: Chonda rocks!!!!

01:16:00 cvalentini: Thank you to everyone who has made these PD opportunities possible.

01:16:01 Nicole Rigelman: We appreciate you Faith, Chonda, Dave, Trena and Robert... thank you too Beth!!

01:16:04 Susan Jones: Y'all check out Laura Gibbs and how to build community yin online courses

01:16:05 Jolene Peterson: THANK YOU NCTM TEAM FOR ORGANIZING THIS! Your hard work and commitment is making math education better. I do believe that.

01:16:08 C Robertson: Yes, appreciate "behind the scenes" people!

01:16:09 Valerie Kopinski: Thank you so much!! This is one of the best webinar sessions I've attended! So many great ideas and so motivating :)

01:16:12 KEISHA SMITH: Thanks to the NCTM geniuses behind the scenes...thank you for this opportunity!

01:16:14 Emerson Roman: We all need to find the "Joanna" inside of us.

01:16:18 harry holloway: thank you very much! This was great! much better than zoom faculty meetings.

01:16:28 Aya Zvaigzne: Very many of these presentations, including this one, are worth rewatching. Many of us are grateful for that opportunity. There is so much to learn. Thank you enormously.

01:16:29 Tiana Partridge: THANK YOU SO MUCH! Your passion and effort to build a community for math teachers is so helpful for a new math teacher like me :)

01:16:32 Bonnie Basu: Agree @Harry!

01:16:32 Sreevelmurugan Vamadevan: This is my First month as a premium member

01:16:33 JoAnn Hiatt: NCTM is a must to belong to!

01:16:52 Dave Hankin: Already renewed and upgraded a few weeks ago.

01:17:00 Bonnie Basu: Stay safe everyone!

01:17:03 PATRICK GUERRA: Thanks everyone for informative topics

01:17:04 Esther Winikoff: Thank you! This was fabulous! Thank you NCTM!

01:17:05 Zubia Majeed: Thanks Beth and Joanna also!

01:17:15 FLORENCE MAE DELA CRUZ: Thank you so much

01:17:17 beth blumberg: so depending on how tightly worded the question is... don't remember... $17^3/3!$ Or more likely no duplicate flavors.. $(17 * 16 * 15)/6$.

Allowing for different arrangements...

01:17:20 Susan Troutman: Thanks!
01:17:21 Cindy Bryant: Code 100days
01:17:24 Trena Wilkerson: 100Days is the code
01:17:24 LeAnna Deveaux-Miller: Another engaging session..thank you..
01:17:25 Tonya McIntyre: Thank you!!!
01:17:31 Dr Deborah Smith: Thanks for the great webinar!!
01:17:32 Sophia Ramdass: thank you!
01:17:39 Maylyn Magno: Thank you so much...
01:17:41 Emerson Roman: ¡FABULOSO!
01:17:42 Sheila Kirton-Robbins: certificates?
01:17:44 JBRESLOW: Thank you.
01:17:45 Laurie Walker: Thank you, amazing!!!
01:17:45 Jennier Ryan: Thank you Joanna. You've got another follower in me!
01:17:50 Rolando II Delos Reyes: Thank you NCTM! You are all great! PHPPH
01:17:51 Sarah Ambeault: thank you!
01:17:51 E004912: Thank You! This was so amazing!!!!
01:17:54 Manisha .: thank you
01:18:02 Shashidhar Belbase: Thank you so much for wonderful discussion.