

00:18:00 michael Lanstrum: Hello from Cleveland, OH
00:18:09 C Robertson: Reno Nevada
00:18:12 Jan Back: Hello, Jan Back from Hampton, Tennessee
00:18:12 Jason Wright: Howland, Maine
00:18:13 Michael Minchella: Hello from Toronto!
00:18:13 Susan Ravalese: Massachusetts
00:18:14 Dr Deborah Smith: Hello from Antioch,TN
00:18:14 Marissa Bay: Hi from Chicago, IL
00:18:15 Jolene Peterson: Hello from Kansas!
00:18:17 Jorge Veloso: I'm from Angola, Africa.
00:18:18 Beverly Krumpe: Hello from Paris, TX
00:18:18 Trent Thomason: columbia, tn
00:18:18 Wendy Kraft: Hi from WA
00:18:19 Christine Rudakewycz: Hello from New York City!
00:18:20 Dee Crescitelli: Dee in Kentucky!
00:18:20 Konnie Guthrie: Hello from Las Vegas, NV
00:18:21 Olga Kosheleva: Hello from El Paso, TX
00:18:21 Robyn Headifen: kia ora koutou from New Zealand
00:18:21 jeanine colwell: hello from eastern north carolina
00:18:21 Katherine Raiguel: Willow Grove, PA
00:18:22 Heide Kaminski: Michigan
00:18:22 Stephanie Caragher: Hello from NH
00:18:22 Elizabeth Sasse: Hello from Greeley, CO
00:18:22 Annika Moore: Hi from Columbus, OH
00:18:23 Jaclyn Murray: Hi from Atlanta, GA
00:18:24 Essence Brice: Hello EVERYONE from Mobile, AL!
00:18:24 Trena Wilkerson: Hello to all from Waco, TX!
00:18:25 Chonda Long: Welcome!
00:18:25 Kelly Cahoy: Luverne, North Dakota!!
00:18:26 Tina Hill: Howdy! from Northeast TN!
00:18:27 Maria Eleonor Bañares: hello from Philippines
00:18:28 Ruchi Arora: Hello, Ruchi from India
00:18:28 Amy Rushall: Flagstaff, AZ
00:18:28 Nora Chase: Scottsdale , Arizona
00:18:30 Jennie Brown: Hi from Montgomery, Al
00:18:30 Jenny Sagrillo: Hello from Milwaukee WI
00:18:30 Jennifer Love: Hello from Bloomington, IL
00:18:30 Lauren Gill: PEI, Canada
00:18:31 dana dulzo: hello from novi michigan
00:18:32 Alina Castillo: Hello from Chapel Hill, NC
00:18:33 Carole Bamford: Hi from Montreal, Quebec
00:18:33 Dane Dwyer: Hello, from Bath, Maine
00:18:34 Daniel Irving: Hello from North Providence, RI.
00:18:35 Tess Wilson: Tess In Bardstown, Ky
00:18:38 Ca-Lishea Woods: Hello from Houston, TX
00:18:41 Eva Gomez: Phoenix, AZ
00:18:41 Ann Assad: Hi! Paducah KY
00:18:45 Mary Anne Opila: Hello from Villanova, Pennsylvania
00:18:46 Dewey Gottlieb: Aloha everyone! Dewey from Hawaii here
00:18:47 Teresa Bulanda: Hello from Hartford, Connecticut

00:18:47 Tyler Anthony: Hello From San Diego, CA
00:18:48 Mary Johnson: Hi !! Mary from Pensacola, Florida
00:18:50 Modena Paulsen: Tempe, AZ
00:18:54 Chi-Man Ng: Hi from New Jersey working in NYC
00:18:54 Bjorg Johannsdottir: Hi from Turlock CA
00:18:55 Tunisia Waller: Hello from Maryland
00:19:04 Jani Rima: Hello from AZ
00:19:09 Kaitlyn Solymosi: Rocky River (Cleveland) Ohio!
00:19:11 Patrick Montague: Hello from Texas
00:19:13 Lori Heatherly: Hi from Waynesville, NC
00:19:15 Mirasol Laberinto: Mirasol Laberinto from Phoenix Arizona
00:19:17 Melissa Scroggins: Hi! Melissa from AZ
00:19:18 Enkelejda Limani: Hello from Brooklyn
00:19:19 Tim Bartlett: Tim from Lake Stevens, WA
00:19:22 Cindy Bryant: Greetings from Springfield, MO!
00:19:22 Patricia Ishihara: Aloha from Hawai'i!
00:19:27 Pooja Balani: Hi
00:19:37 Christine Rudakewycz: The cheers are loud here in NYC as well
00:19:39 Michael Chrzan: What up doe?! Traditional greeting from Detroit, MI
lol
00:19:39 Jolene Peterson: That's awesome! I live in a small town, so I
don't hear those cheers!
00:19:39 Pooja Balani: Hi Pooja Balani from UK
00:19:43 Maria Celeste Rellosa: Maria Celeste Rellosa from Bessemer City, NC
00:19:43 Sydney Harper: Elkton, KY!
00:19:52 Nora Chase: Hospital Workers Rock!!
00:19:52 Maren McMartin: Hello from Minneapolis, MN!
00:19:56 Lisa Samson: Hello from Kansas City, MO!
00:19:57 Ginette Peralta Suarez: Hello from Texas!
00:19:58 Annika Moore: Does the cleaning crew get cheers as well???
00:20:02 Paul Blanckmeister: Hello from Monterey, CA
00:20:03 Robert Hohn: Greeting from Queens, NY!
00:20:03 Kristina Grannan: Evansville, IN
00:20:11 Gordon Clark: Hello from a cold and windy Damariscotta, Maine.
00:20:13 Dr Deborah Smith: That's cool to hear the cheers! We don't
have them where I live.
00:20:14 Lisa Hurst: Hello from Texarkana, TX
00:20:14 Cindy Bryant: Yes, thank you to all those providing care!
00:20:20 Shannon Otey: Hi, from SeaTac, Washington

00:20:25 Dawn Lybarger: Hello 🙌 from Delmar, Maryland!
00:20:38 Prerana Sanghavi: Hi from Mumbai, India
00:20:48 Sharon Black-MacKinnon: Hello from New Brunswick, Canada
00:20:48 Barbara Harvey: Hello Barb from Pittsburgh Pa.
00:20:53 Robyn Heath: Hello from Flagstaff, AZ
00:20:55 Richard Hundertmark: hi from New York
00:20:58 Lorie Huff: Hello from Fayetteville, Arkansas

00:20:58 Kaitlyn Aspell: Hi from MA!
00:20:59 Teresa Barut: Massachusetts

00:21:00 Carrie Even: Hi from Iowa
00:21:00 Tamikia Greene: Greetings from Houston, TX
00:21:01 Laurin Harvey: hello from Worcester, MA
00:21:01 Dave Hankin: Globe, Arizona
00:21:02 debbie zeineddine: hi from Mooresville NC

00:21:02 Veronica Elfe: Hi from Charlotte, NC
00:21:02 Tricia: Hello from Everett, WA
00:21:03 Amanda Ruderman: Hi from NY
00:21:04 Cindy Bryant: Thanks to all of you for joining!!!
00:21:05 Veronica Kwok: Hello all from Queens NYC!
00:21:06 Cindy Luper: Hi from Arkansas
00:21:06 Caitlin Maggi: Hi from NY
00:21:07 Lea Brown: Hello from Wilmington, NC
00:21:07 Aric Barnes: Howdy from Houston, TX!
00:21:07 Kimberly Melgar: Hello!! Kim from Jersey!
00:21:08 Christine Casiere: Wilmington, NC
00:21:08 Michelle Cirillo: Hello from the border of DE and PA!
00:21:08 William Luke: William Luke Central Texas
00:21:09 Randall Young: Hey from Houston, TX
00:21:10 Danielle Mooney: hello from Bridgewater, MA
00:21:10 Brenda McNeese: Brenda, Nevada
00:21:11 Andrea Thompson: Hello from Kansas City, Missouri!
00:21:11 Hannah Lakin: Hi from Maine!
00:21:12 Michelle Emslie: Hi from New Zeland
00:21:12 Sydney Long: Hello from KY
00:21:12 Faith Peddie: Welcome everyone!!!
00:21:12 Mark Phipps: Hello Day 14 peoples! Glad to be here in Mesa, AZ
00:21:12 Melissa Medici: Hi from Long Island, NY!
00:21:14 Abby Roza: Hello from Minnesota.
00:21:16 Sabrina Orta: Hello from Phoenix, Arizona.
00:21:16 Chad Fauskee: Hello from Grand Rapids, Michigan
00:21:17 Linda Weyman: Hello from Jasper, GA!
00:21:19 Nely Ara-is: hello from norfolk, va
00:21:23 Xiangquan Yao: hi from state college, pa
00:21:24 Roberta Ludwigsen-Hill: Hello from Alabama
00:21:24 Melissa Luzano: Hafa Adai! Originally from Guam, now in Riverside,
CA
00:21:27 Denise Turner: Hi from Winter Haven, FL
00:21:30 Bernabe Avila-Cortez: hello from Toppenish wa
00:21:33 Jeanetta Glass: Hello from Memphis, TN
00:21:37 Faith Peddie: Please ensure that your chatbox is set to "Everyone
(in meeting)"
00:21:37 Sreevelmurugan Vamadevan: Hi Sreevel from Miami,Az teaching
k-12
00:21:42 Robbie Cundy: Hi, from Northwest Iowa!
00:21:45 Daniel Seif: Bensalem PA
00:21:48 Andrea Kent: hello from Virginia
00:21:49 Leeanna Hyacinth: Hello from NC
00:21:49 Kimberley Hoffman: Hello from Goodyear, AZ. However, I know a

lot of places in Washington state. Anyone know where White Salmon, WA is?

00:21:50 Faith Peddie: Please ensure that your chatbox is set to "Everyone (in meeting)"

00:21:51 Chonda Long: Recording will be available tomorrow afternoon

00:21:52 Apolinario Barros: Hello from stoughton Ma

00:21:56 David Dai: Happy Earth Day from Mobile, AL!

00:22:01 Chonda Long: Certificate will be sent out tomorrow evening

00:22:02 Amy Tucker: Hi from Wayne, Maine!

00:22:24 Menchie Besa: Hi from Jacksonville, FL

00:22:26 Cindy Bryant: Yes!

00:22:27 Monica Ramirez: Good evening from Arlington, TX

00:22:59 Ben Sinwell: I am Ben Sinwell from SC

00:23:07 Faith Peddie: Mary, do you have a specific question?

00:23:09 Janice Novakowski: Hi Carl - nice to see you, hope you and your family are well!

00:23:13 Maria Eleonor Bañares: thank you madam Chonda Long

00:23:33 Rene Stratton: Hello from Seattle

00:23:38 Jill Farrell: Jill Farrell

00:23:39 Lauren Gill: Lauren

00:23:40 Kimberly Zoucha: Kim Zoucha from Portland, Oregon

00:23:44 Chastity Brewster: Chastity Brewster

00:23:45 Elizabeth Sasse: Beth Sasse

00:23:46 Raul Menjivar: Raul from NC

00:23:47 Alison Frost: Jo, Woodrow Wilson High School, Raleigh County, WV

00:23:48 Janice Novakowski: Janice, from Vancouver, BC Canada

00:23:49 Jacob Watford: Jacob Watford from Mobile, AL

00:23:51 Kaitlin Ray: Kaitlin, Arlington Public Schools, Grocery Shopping, and shes already here!

00:23:51 Jamie Hales: Hello from Michigan

00:23:52 Barbara Harvey: Barb from Pittsburgh Pa.

00:23:53 Mark Phipps: Grocery Store! and 12 minutes

00:23:54 Beth Snoop: hello from holland michigan!

00:23:55 Vimla Bhatena: Hello 1 This is Ms. Vimla Bhatena I am from Roosevelt District at I.G.Conchos ,Phoenix

00:23:57 Apolinario Barros: Apolinario Barros

00:23:57 Jennifer Heldenbrand: Jennifer Heldenbrand

00:23:59 Kate Mandell: Kate from Victor Senior High School in NY

00:24:02 Jolene Peterson: CORONAVIRUS is real math that is front and center in our world.

00:24:03 Teresa Bulanda: exponential growth

00:24:04 Tiffany Gallagher: I am an elementary math specialist moving into the K-12 math specialist world in New Jersey

00:24:04 Brooke Fischels: Brooke Fischels from Ottumwa, Iowa. I give your kids 5 minutes!

00:24:05 Jill Farrell: Jill Farrell, CHSD117 Modeling COVID - function of best fit

00:24:07 John Creech: John Creech -- logan county schools, probability

00:24:07 Jennifer Cronin: Jennifer Cronin, South Shore Charter Public School, budgeting/personal finance, 27 minutes

00:24:07 Melody Chao: Melody Chao, Alhambra Unified in Southern California

00:24:07 Geraldine Montoya: Grocery store, food service,
00:24:09 Alison Frost: Example is that today we measured and cut bamboo and
wire to make a blackberry trellis to "train" our blackberries
00:24:10 Teresa Barut: Teresa Barut Hampshire Regional High School
Westhampton, Massachusetts
00:24:10 Barbara Harvey: example would be the probability of winning the
lottery
00:24:10 Mary Anne Opila: Hi, The spread of a virus
00:24:11 Linda Thommen: I
00:24:11 Jason Greenwood: Jason from Carver, MA. I predict my kids
will interrupt me before yours do. That's an example of statistics in the real
world
00:24:11 Jennifer Love: Jennifer from Olympia Middle School in Illinois
00:24:12 Becki McChesney: Becki McChesney working at QSI International
of Haiphong Vietnam--My students return to school TODAY!
00:24:12 Veronica Elfe: Veronica Elfe - Cabarrus County Schools, engineering
and carpentry
00:24:13 Jenny Cheng: Jenny - Santa Clara County Office of Education -
grocery shopping
00:24:13 Wendy Kraft: Wendy from Klahowya Secondary in Silverdale, WA in
00:24:13 Jen McFall: Stanwood, WA Greetings
00:24:15 Melissa Medici: Melissa - Amityville UFSD - Bullet Trajectory with
Trig
00:24:15 Shelley Mosier: Shelley pythagorean theorem for distance for
archeologists
00:24:15 Ben Sinwell: Ben Sinwell, Anderson School District 4, SC,
Modeling a pandemic. 35 minutes.
00:24:15 Kaitlyn Aspell: Katie Aspell, Taunton, MA and lots of math in the
home projects
00:24:15 Jill Ethridge: Jill Greenfield Ethridge Rutherford County schools,
TN
00:24:16 Cindy Luper: Cindy Monticello Arkansas Drew Central School
District Covid 19 Exponential growth.
00:24:16 Mary Dugas: Mary, Lafayette, LA ANY shopping adventure
00:24:16 John Simons: Odds on lottery tickets
00:24:17 Ashley Willis: Ashley from Clarksville, TN. Combinations are
everywhere! And 32 minutes
00:24:19 Kimberley Hoffman: Kim Hoffman, Buckeye Union High School
District. Finishing up my 22nd year of teaching math, my 14th here in this
district.
00:24:22 Ruchi Arora: budgeting
00:24:22 Robyn Heath: Making a budget
00:24:23 Kaitlyn Solymosi: Hello! My name is Kati Solymosi and I'm an
AYA Mathematics Education major at BGSU. One of the biggest examples I give my
students regarding where they can find math outside of the classroom is in
architecture!
00:24:23 Rachel White: Rachel White, Sanford Junior High School
00:24:24 Dr Deborah Smith: Deborah, Metro Nashville Public, COVID-19
00:24:25 Jennifer Heldenbrand: Canyon Crest / Provo City School District

Utah

00:24:27 Linda Null: Linda Null from Southeast Missouri State University
exponential growth

00:24:27 Laurin Harvey: Laurin f

00:24:29 Maria Pena: Maria Pena, Columbia Brazoria ISD, budgeting, 5
minutes

00:24:29 Khamari Truman: Khamari Truman, Student teacher at Illinois State
University, Sports statistics

00:24:29 Danielle DiGravio: Danielle Penns Gove High School - Logistic
Functions

00:24:30 Ruchi Arora: banking

00:24:30 Denise Turner: Denise Turner; Haines City High School/Polk County;
banking, shopping, EVERYWHERE, about 10 minutes

00:24:30 Amanda Ruderman: Amanda, teach in Westchester, ny -
statistical data for covid 19

00:24:30 Menchie Besa: Menchie from Englewood High School, Exponential
growth

00:24:31 Jan Back: The slope of my roof when designing my home

00:24:31 Patricia Maia: pat maia providence ri Nature for earthday

00:24:31 Lisa Blair: Round Rock ISD in Round Rock, TX - we've actually
talked about the statistics around Covid-19. We are living in real world math right
now.

00:24:31 Pooja Balani: Pooja Balani, UK,Covid toilet roll count :)

00:24:32 Tracy Martin: Tracy, Clark County School District, Las Vegas
Nevada

00:24:32 Paul Blanckmeister: sports statistics

00:24:32 Daniel Seif: Dan Seif Academy Park HS Weather and time we are in
house

00:24:32 Cindy Cravens: Hello from Cindy Cravens Fulton High School Fulton
58 Missouri

00:24:33 Kaitlyn Kincaid: Kaitlyn Kincaid, this COVID-19 event is a
huge way that mathematics is present outside of school.

00:24:33 Elizabeth Sasse: Beth Sasse; Weld County School District RE1;
analyzing data from movie box office; if they are like my kids, I give it 10 minutes
haha

00:24:34 Jo Harris: Jo Harris Heritage Middle school, Burke County, 7th
grade math

00:24:34 Teresa Barut: Covid-19 stats present math in the world

00:24:34 dana dulzo: danafrom wayne westland community school district,
pandemic growth graphs,15 min

00:24:34 DawnMarie Gaghan: Dawn, teaching in NYC DOE. Math in
construction.

00:24:35 Troy Long: Troy Long from Taylor County High School; Taylor
County School District (KY); architecture; 5 mins

00:24:35 Dawn Gesh: Dawn Allen ISD calculating the time to do homework

00:24:35 Abby Roza: Abby, Ramsey County Corrections (Adult Ed), math
outside of the classroom: sharing, I hope for multiple "storm ins" by both
children.

00:24:35 Daniel Seif: 15 mins

00:24:36 Ca-Lishea Woods: Ca-Lishea from Pasadena ISD (near Houston);

Thompson Intermediate

00:24:36 Dave Hankin: Dave Hankin- 6th Grade Math - High Desert Middle School, Globe, AZ

00:24:37 Jolene Peterson: Jolene Peterson, Salina Public Schools, Kansas

00:24:38 Rachel White: *Exponential growth

00:24:38 Apolinario Barros: Apolinario Boston, Ma Keep track of population growth

00:24:39 Bethany Peterson: Bethany Peterson from Corvallis School District. Finances are real world math

00:24:40 Beverly Krumpe: Beverly, North Lamar ISD was my last, High school

00:24:41 Maria Celeste Rellosa: Maria Celeste Rellosa Bessemer City, NC parabolic path

00:24:41 peter zirnis: hello all from Toronto

00:24:42 Jenny Sagrillo: Jenny from UW-Milwaukee. Understanding the pandemic spread

00:24:43 Melody Hahs: Melody Hahs, Legacy Traditional School

00:24:44 Amanda Ruderman: by 2 year old will probably be here in 10 mins

00:24:44 Amy Tucker: Amy Tucker, Maranacook Community Middle School, Readfield, Maine. Building a house. My kid is watching TV in this room.

00:24:44 Cecilia Lopez: CA

00:24:45 Amy Hart: Amy Hart, Mifflin County School District, Lewistown, PA; statistics

00:24:45 Sreevelmurugan Vamadevan: Sreevelmurugan, Miami Unified School district, Number of death Vs Affected

00:24:45 Teresa Barut: BONUS: Your kids will show up in 11 minutes

00:24:46 Lauren Gill: Lauren, PEI Public Schools Branch, graphs showing covid info, 35 min

00:24:47 Kimberly Melgar: Kim Melgar, Assistant Professor from Jersey working with NYC teachers.

00:24:48 Laurin Harvey: Laurin, Nashoba TE

00:24:49 Tina Reynolds: Tina Reynolds, Grant County High School, Ky, I teach Geomerty which is everywhere in the real workd

00:24:49 Dawn Gesh: 15 mins

00:24:49 Rowena Conway: Calvert County, MD - invasive species in an environment

00:24:50 Katherine Stanford: One of our teachers is having the students chart the progress of the COVID19 in our state and compare that with the world progress.

00:24:50 Patricia Ishihara: Pat from Hawai'i, State Math Resoure Teacher, exponential way tweets get shared out. :)

00:24:52 Deborah Chapdelaine: Debbie from Edmonds SD in Edmonds WA. ratios... converting recipes...

00:24:52 Michael Chrzan: Detroit Public Schools Community District. Game design

00:24:53 Kristi Valach: Kristi Valach from Mount View HS, McDowell County WV Finances

00:24:53 Henry Vas Nunes: Henry. Churchill School/NYC. Exponential Growth.

00:24:53 Jason Wright: Jason Wright MSAD #31 I need to triple a recipe, how many cups of flour am I going to need?

00:24:54 Maria Eleonor Bañares: Maria Eleonor C. Bañares
Gusa Regional Science High School
Cagayan de Oro City, Philippines

00:24:58 Roberta Ludwigsen-Hill: Roberta from AMSTI University of Montevallo: trends and tracking of infection rates

00:25:00 Merrellyn Banks: Youngstown City schools The Corona Virus

00:25:01 Vimla Bhathena: My friend would like to attend .She has not registered. Can she attend? Will you please send the meeting ID

00:25:03 Heather Bartlett: Heather Bartlett, Rincon High School

00:25:03 Aric Barnes: Aric from Houston ISD. Exponential models of disease

00:25:06 Beth Snoop: budgets!

00:25:08 Heide Kaminski: I am Heide Kaminski, I teach Math and English at a prison, my students need math that has changed over the time they have been locked up. BTW, we are the only federal prison that let's inmates earn a high school diploma from our local high school!

00:25:14 Kimberley Hoffman: My father used fractions to stack piles of finished plywood. All stacks had to be the same height, but not all plywood is made of the same thickness.

00:25:15 Jill Ethridge: Estimating the height of a building using a mirror or

00:25:15 Mirasol Laberinto: Mirasol Laberinto from Ignacio Conhos Elem.School Roosevelt School District 66 Phoenix Arizona

00:25:20 Sharena Domingo: Sharena, Benjamin Franklin Intermediate School, Jefferson Elementary School District, everyday and everything we do is math. From simple addition to exponential growth.

00:25:27 Nora Chase: Nora Chase; Roosevelt School District Cooking; 7 minutes

00:25:27 debbie zeineddine: Debbie zeineddine...iredell Statesville school district...how far apart to plant plants in a garden

00:25:30 Teresa Bulanda: you need sorel boots or hiking boots!

00:25:34 Faith Peddie: Yvonne, do you have a specific question?

00:25:37 Jill Ethridge: making change from a purchase

00:25:38 Kellie Whitford: Kellie from Louisville, KY. High School Math Teacher.

00:25:52 Lorie Huff: Lorie Huff, Fayetteville Public Schools, Fayetteville, Arkansas. Time management.

00:25:54 Victoria Truman-Dooley: Victoria Truman-Dooley, Palm Beach County School District, shopping for best deal

00:25:56 Dima Itani: Dima Itani

00:26:03 Alison Frost: Lots of Appalacians here! waving

00:26:06 Amelia Merida: Amelia Merida Norfolk Public Schools

00:26:12 Veronica Kwok: Veronica/Algebra I and Geometry at the International High School at LaGuardia Community College in Long Island City, NYC! Been trying to get students to work on assignments for financial literacy (Algebra I) and redesigning my classroom (Geometry)

00:26:15 Linda Thommen: I'm Linda from Silvies River Charter School in Oregon. Math is used in home projects.

00:26:28 Prerana Sanghavi: This is Prerana, from D. G. Khetan International School, Mumbai, India. The concepts applicable outside school is Banking and construction among many others.

00:26:30 martyanne konig: AZ

00:26:33 Lauren Gill: great analogy

00:26:34 Yelena Berdichevsky: Hi from Brooklyn, NY

00:26:51 Prerana Sanghavi: somewhat

00:27:07 I Nelson: neither

00:27:15 Kristina Grannan: Hello, Kris Grannan, EVSC, Evansville, IN. I teach students mathematics at Evansville Central High School. Profit/Loss Predictions, Statistics in Healthcare

00:27:42 Catherine Anderson: Catherine Anderson, Math GED teacher, math in cooking, construction

00:27:59 Sabrina Alleyne: Hello My name is Sabrina Alleyne. I teach Math and Science to Special Education students. Restart Academy. District 79

00:28:12 Mohamed T: Hi, This is Mohamed

00:28:33 William Luke: In the world of mandatory testing to advance school is a priority,

00:28:45 Bryan Bagala: Hi from Westchester NY

00:29:01 Danife Palisoc: Hi everyone! Danife Palisoc, East Montgomery High school, NC, Teaching Math 2 and Precalculus

00:29:24 Kimberley Hoffman: I helped my father create a new foundation for the front porch. Used trig in the design. He never used it and did another design instead.

00:29:27 Michael Chrzan: Go Blue! Love Dr. Ball

00:29:31 Faith Peddie: This is a Deborah ball talk: youtube.com/watch?v=JGzQ70_SIYY&t=2128s

00:29:33 Faith Peddie: This is a Deborah ball talk: youtube.com/watch?v=JGzQ70_SIYY&t=2128s

00:29:42 Faith Peddie: This is a Deborah ball talk: youtube.com/watch?v=JGzQ70_SIYY&t=2128s

00:31:48 Caitlin Maggi: Bryan me too!

00:32:03 Alison Frost: @Kimberley H- we built a trellis from bamboo and wire. COVID- Projects!

00:33:01 Victoria Truman-Dooley: Yay, Doc McStuffins!

00:33:24 Kimberley Hoffman: I usually watch AEW Dynamite on Wednesdays.

00:33:26 Alison Frost: Always excited for high school level PD

00:33:27 martyanne konig: What is Doc McStuffins?

00:33:54 Chonda Long: Doc McStuffins is a kids show

00:33:58 Chad Fauskee: My school uses PBIS.

00:34:03 Michael Brown: if you llike Doc McStuffins check out Little Bear

00:34:12 martyanne konig: Im from the Barney era.lol

00:34:24 Chonda Long: Yes, it's a newer show

00:34:44 Lynda Stahl: vertical learning

00:34:49 John Simons: Just ask the kids about their clothes, songs, etc. Appear interested in them

00:34:51 Ashley Willis: Spend time to actually talk to your students about non-math subject and get to know them

00:35:02 Tiffany Gallagher: I agree - making a personal connection is

huge

00:35:02 Robyn Heath: I use Project Based Instruction and Inquiry-based learning

00:35:04 Ben Sinwell: I have students share each week about stuff. I give choices, usually one thing personal and one thing just fun.

00:35:05 Cindy Bryant: Get to know your students, infuse their interests

00:35:07 Alison Frost: Wish we could thumbs up!

00:35:07 Michael Brown: strong routines, clear norms, high expectations

00:35:13 Kaitlyn Solymosi: Spend time with your students as KIDS rather than pupils :)

00:35:13 Dave Hankin: Show students you care...

00:35:15 Jo Harris: Interest inventory with students

00:35:23 Michael Chrzan: For student-student, group roles are key! Think about what learning is required and make them responsible for making sure each are doing each part of it instead of splitting up the work

00:35:28 Mary Anne Opila: Students appreciate teachers showing up at school activities

00:35:31 Teresa Bulanda: go to games, concerts, performances...

00:35:33 Heide Kaminski: the student-environment is the biggest factor in my classes, sometimes, I just have to let them vent before teaching

00:35:33 Aric Barnes: Listen to understand and nonjudgmentally. Educate yourself on the culture of the neighborhood, community

00:35:35 Denise Smith: Block 1 of the Three Block Model
<http://www.threeblockmodel.com/the-three-block-model-of-udl.html>

00:35:36 Jo Harris: attend extracurricular events students are in

00:35:36 Merrellyn Banks: I'm at a behavior school we use PBIS

00:35:38 Patricia Ishihara: Student-led heterogeneous learning communities (search for Joseph Manfre)

00:35:42 Danife Palisoc: could you suggest project base since most of my students don't have sufficient internet access?

00:35:42 Victoria Truman-Dooley: We have a schoolwide positive behavior rubric... but it's not as supported as it should be

00:35:44 Nora Chase: Talk to them, not at them. Say good morning every day.

00:36:04 Jill Ethridge: I use a buy-in student poll to focus student attention and allow students to vent before class starts in a safe anonymous way

00:36:12 David Barnes: Situation - Exploration - Presentation

00:36:18 Rachel White: Getting to know your students with conversations, activities

00:36:20 Lauren Gill: I live in a small community. I try to go to hockey games, I stay for after school sports, I ask about their hobbies.

00:36:23 Victoria Truman-Dooley: I always use that as an example for my kids... no one questions buying 87 watermelons!

00:36:27 Kimberley Hoffman: I have the policy that if a student asks me to attend an event, I need to go. It makes them realize that I care about everything on campus, not just the fact that I manage the concessions on campus for sports.

00:36:39 Kelly Ward: Driving my vehicle to school, damage to the environment

00:36:49 Megan Gerstenzang: cheap goods

00:36:50 Alison Frost: C. Oliver is a wealth of helpful resources – wow!

00:36:50 Dea Biberdorf: Current stay at home order

00:37:02 Jennifer Cronin: Disposable products

00:37:07 Kevin Richmeier: Access to quality healthcare

00:37:09 Dave Hankin: Throwing bottles away. Stop being lazy! Recycle!

00:37:11 Leah Simon: Virtual learning right now

00:37:15 Dianne Mayberry: Hi Dea~It's Dianne Mayberry! How are you?

00:37:23 Ben Sinwell: In our current online teaching. I post 2 or 3 sharing questions and answer them myself and post for everyone to see. I then ask students for their answers (not everyone can see). I follow up with each individual student. Sometimes I ask them to answer some or all or just share something.

00:37:28 Christine Casiere: school

00:37:30 John Simons: Policing

00:37:33 Monique Despres: Rethinking Mathematics is a great book that helps bring social justice issues in math

00:37:43 Michael Chrzan: Yes!!

00:37:44 Lauren Gill: leah - virtual learning - YES

00:37:45 Alison Frost: Limit on toilet paper because of hoarding. Had to help our senior center buy toilet paper for those that could not get to the grocery store conveniently and were out

00:38:13 Heide Kaminski: I cannot do online teaching with my students, therefore, I have to prepare paper packets, deliver them to the prison and pick up homework once a week. Currently, we are not even allowed to exchange packets, as we have over 80 cases of covid inside...

00:38:35 Jolene Peterson: I like the Situation, Exploration, Presentation model. It's similar to PBL, but feels less daunting.

00:38:43 Lauren Gill: heide - so hard

00:39:10 Ben Sinwell: In our current online teaching. I post 2 or 3 sharing questions and answer them myself and post for everyone to see. I then ask students for their answers (not everyone can see). I follow up with each individual student. Sometimes I ask them to answer some or all or just share something.

00:39:14 Mary Dugas: optimize oil industry with negative per barrel and maintain employment or retrain

00:39:49 Dave Hankin: Renewable energy.

00:40:45 Faith Peddie: Did you have a specific question?

00:41:40 Michael Brown: another typo 65 choose 0??

00:42:09 Kevin Richmeier: No, there is one way to choose 0 things from 65.

00:42:57 Heide Kaminski: since we have limited abilities in the prison for projects, I had the students pick a car they would like, brought in pictures and numbers to estimate maintenance and purchase, etc. All students created a poster with the info for "their" car. They really liked it

00:43:35 Veronica Elfe: For my students in AFM/Math 4 - senior math pretty much. As I teach each unit the students are doing a project behind the scenes for the entire unit that counts as a test grade. Imagine conducting your own experiment or collecting data and following through with a data analysis for the statistics unit! My students would prefer to do projects because it's engaging, I let them pick their topics of choice(within reason of course) and present at the end. Students get a project and test per unit every unit! I love project based learning!!

00:43:43 Deborah Chapdelaine: I like that integration Carl! So cool.

00:44:02 Jennifer Cronin: A number of years ago we had a mall in the community where I taught that was struggling to draw business and stay open. We looked at the retail guidelines for malls (what percentage of space should be allocated for each type of retail store) and compared them to what was actually present in the mall. The students surveyed different demographic groups to find out what they wanted in the mall, then designed a plan for improving the mall. We sent all the data and reports to the management company that operated the mall.

00:44:40 Jennifer Cronin: Great idea Heide

00:44:54 Said Chatir: How does the experimental probability of the lottery project work? Did you use a computer program like MATLAB to tally up all the attempts before you arrived at the winning number?

00:44:59 Teresa Barut: Jennifer Cronin, that is a great project

00:45:11 Dr Deborah Smith: I like that Veronica Elfe!

00:45:15 Kimberley Hoffman: We did a school wide project on hot dogs. The math department had higher classes build solar cookers and my classes measured the dog during the cooking process. Discovered that if left out too long, they get smaller.

00:45:49 Megan Gerstenzang: Love how you are using math to talk about BIG ISSUES!

00:46:00 Veronica Elfe: Thank you Dr. Deborah Smith!

00:46:33 Jennifer Cronin: Said Chatir—a great way to start might be with a smaller daily number type lottery. WE have that in MA—it's a 4 digit number so calculations are easier

00:46:36 Veronica Elfe: Carl may have us all muted by accident

00:46:50 Ben Sinwell: Sorry Everyone. I could hear you, but not everyone could, I guess.

00:47:01 Cindy Bryant: I could hear him.

00:47:16 Leanna Foreman: I could too. Something on Carl's end

00:47:17 Ben Sinwell: Or maybe Carl could not hear.

00:47:21 Beverly Krumpe: I heard him

00:47:22 Tara Schneider: I could hear Ben too

00:47:26 Ben Sinwell: Thanks!

00:47:29 Connie Laughlin: I heard Dr. Barry

00:47:31 Lauren Gill: Our elementary text book is called Math Makes Sense

00:47:37 Kaitlyn Solymosi: I could hear him as well! I think Carl might have hit mute on all of us by accident

00:47:49 Kimberley Hoffman: I could hear and Dr. Berry, but Dr. Berry was very soft and I have my volume on high.

00:47:55 Sreevelmurugan Vamadevan: HS Math?

00:47:56 Jo Harris: Mathshell.org is a great resource for these problems

00:48:34 Kaitlin Ray: I have found a lot of great ones from the NCTM middle school magazine!

00:48:49 jeanine colwell: thank you Jo

00:48:51 Lauren Gill: Real problem solving has many approaches

00:49:01 Said Chatir: To: Jennifer Cornin- Thank you!

00:49:02 Jennifer Cronin: Yummymath.com is an outstanding resource!

00:49:21 Alicia Thompson: Yes, Jo, Mathshell is a great resource.

00:49:38 Jennifer Cronin: Thank you Jo!

00:49:45 Michael Chrzan: Daivd - there was a book mentioned earlier -

Rethinking Mathematics that is good for that! There's also a book called Project-Based Learning in the Math Classroom has been helpful for me.

00:49:46 Kaitlyn Solymosi: Problem solving never has one correct solution! Our students will likely have very different pathways and endpoints by the end of an actual problem

00:50:13 Jo Harris: OpenUp resource is a good resource for problem

00:50:26 Allison Hopkins: COMAP has great free bio math, sustainability, and computational thinking units

00:50:37 Dr Deborah Smith: Thanks Michael C.

00:50:41 Michael Brown: sounds like the engineering process

00:50:57 Lauren Gill: thank you for sharing yummy math

00:51:04 Randall Young: scholastics still is a great resource

00:51:10 Jeanine Colwell: great resources everyone. thanks for sharing

00:51:28 Jennifer Cronin: Jo, is it Open Up Resources?

00:51:30 Kaitlyn Solymosi: This question is just painful to look at

00:51:32 Kimberley Hoffman: I have one similar to this in my trigonometry textbook

00:51:53 Jo Harris: Yes Jennifer!

00:51:58 Jennifer Cronin: Thank you!

00:51:59 Alison Frost: I could not hear him during the hand raising

00:52:25 Michael Brown: my kids would not know a discus

00:52:38 Jeanine Colwell: frisbee

00:52:40 Michael Chrzan: Old textbooks are also a great place to start to spark ideas! This problem is painful, but could be used to think about developing a new projectile motion game!

00:52:46 Cindy Bryant: Thanks for joining Becky!

00:52:49 Gordon Clark: Know your students beyond the classroom. The math problem is wrong - no negatives.

00:52:50 Alison Frost: I love Vietnam

00:53:27 Martyanne Konig: Hi Ragdale!!!

00:53:50 Jorge Veloso: Is there any else from Angola or from Africa?

00:53:54 Martyanne Konig: Hello Ragsdale

00:54:26 Jill Perry: My school counselor friends advise that we don't - for exactly that reason, Carl - it's not about being "relevant" right now.

00:55:30 Veronica Elfe: Before we left school I explain the exponential growth function that the virus was creating and was trying to explain why we were all going home and trying not to have contact and what that should do to the exponential growth function

00:55:30 Kaitlyn Solymosi: The virus may be a touchy subject for some students.... I might stay away from the subject for a bit

00:55:37 Jill Perry: We are living a collective trauma - studying it "objectively" to make it relevant can be even more trauma-inducing.

00:55:56 Michael Brown: jobs with sick leave

00:56:02 David Barnes: There was an initial set of ideas on how we might approach learning through the coronavirus at <https://www.nctm.org/Coronavirus-and-Pandemics-Math-Resources/>

00:56:25 Mary Dugas: too sensitive now---flu more neutral illness w/data

00:56:33 Lauren Gill: lol

00:56:35 Jeanetta Glass: 37 minutes!

00:56:37 Alison Frost: Jill Perry, I agree. However, my students did ask me

about it too and the modeling. They are scared and knowing that math can help explain what's going on helped them feel more comforted with something they can engage.

00:56:39 Kaitlyn Solymosi: adorable lol

00:56:42 Ben Sinwell: I guessed 35 minutes. =)

00:56:48 Robert Berry: Check Night Two of NCTM's 100 Days of Professional Learning Presentation Using Math to Make Sense of Our World: Pandemics, Viruses, and Our Actions

00:57:02 Ben Sinwell: Thanks for your thoughtful question.

00:57:39 Kaitlyn Aspell: I am in Mass, and before we left in March we had been starting exponential functions. So we talked about what it means to see exponential growth in terms of growth rates less than 50%, and how the virus spreads to give reason for social distancing. I used it to give students knowledge to understand rather than panic

00:57:57 Kaitlyn Aspell: there was a really great 3 blue 1 brown video

00:57:59 Kimberley Hoffman: I have a friend, who's degree is in Physics, take the state of Utah's information about the virus and posted his results on Facebook. According to his work, Utah is "flattening the curve".

00:58:05 Jill Perry: Alison Frost – if there are students who are curious and asking and able to intellectualize this, then you are supporting them in ways they need. You are helping them cope by providing them tools to understand the answers to their questions.

00:58:14 debbie zeineddine: we were doing statistics in my class and we talked about false positive and false negative test results

00:58:41 Melissa Luzano: I presented about COVID-19, but I started with a heads-up/warning. Students are not required to attend online classes. I told them they could leave if they were not comfortable with it.

00:58:47 Gregg Martin: does anyone have a time issue? I have about 40 mins periods.

00:59:13 Allison Hopkins: currently though false positives, false negatives, positive predictive value, negative predictive value are great topics right now

00:59:22 Faith Peddie: This one is about Rehumanizing math and from Rochelle Gutierrez: <https://www.youtube.com/watch?v=D266LYIigS0>

00:59:24 Dewey Gottlieb: I love the idea of considering empathy to frame the teaching and learning of mathematics

00:59:30 Faith Peddie: This one is about Rehumanizing math and from Rochelle Gutierrez: <https://www.youtube.com/watch?v=D266LYIigS0>

00:59:34 Jenny Cheng: YES To Rochelle!!!

00:59:36 Michael Brown: online I have 60 which turns into 50-55 by the time they wander in

00:59:38 Faith Peddie: This one is about Rehumanizing math and from Rochelle Gutierrez: <https://www.youtube.com/watch?v=D266LYIigS0>

00:59:41 Veronica Elfe: I use to have 40 minutes, set aside the first or last 15 to do a part of the project instead of spending the whole period on it, only doing little bits a day

01:00:06 Allison Hopkins: understanding all of the medical "testing"

01:00:19 Faith Peddie: This one is about Rehumanizing math and from Rochelle Gutierrez: <https://www.youtube.com/watch?v=D266LYIigS0>

01:01:53 Veronica Elfe: For Black history month I had my math students

research a person of African American decent in the world of math and create an instagram account for them on a poster

01:02:00 Patricia Ishihara: Look up empathetic explanation via Joseph Manfre

01:02:09 Rachel White: Great idea Veronica.

01:02:34 DawnMarie Gaghan: Stealing your idea Vironica

01:02:36 Cindy Bryant: Medical testing connections in day Gail Burrill & Chris Franklin's Presentation on Day 10

01:02:43 Cindy Bryant: <https://nctm.wistia.com/medias/z84m7wa9h8>

01:02:46 Teresa Barut: Agreed, great project, Veronica

01:02:57 Ben Sinwell: Model empathy for students and name it when you do it or when you see it.

01:03:04 jeanine colwell: veronica. that's a great idea

01:03:06 Veronica Elfe: THANKS EVERYONE!!

01:03:35 Michael Chrzan: Recidivism rates and sentencing

01:03:40 Michael Chrzan: Definitely flawed lol

01:03:48 debbie zeineddine: also recidivism

01:04:35 KEISHA SMITH: Yes Veronica, I did something similar, except my students made FAKEBOOK pages

01:04:51 Cindy Bryant: Love FAKEBOOK pages!

01:05:09 Ben Sinwell: I had students look at data from the last US census and data from Sociology data from PEW...

01:05:40 debbie zeineddine: not only that but people are often not honest with pollsters

01:06:01 Kaitlyn Solymosi: Has anybody else worked within the ESTEEM Statistics Modules from NC State? I worked through all of them this past winter break and highly suggest them for anyone who needs/wants information and training with data, analysis, etc. for grades 4-12 and even into college!

01:06:32 Kaitlyn Solymosi: Also, if you haven't already, check out the program CODAP for easy, free, in depth, interactive data analysis

01:06:56 DawnMarie Gaghan: Problem is statistics is such a small part of our curriculum yet it's the one topic students really enjoy

01:07:03 Jennifer Cronin: Thanks Kaitlyn!

01:07:14 Rhonda Kilgo: There is an NCTM activity where students investigate electoral college - why do we have it, do we need it, etc. I used the basic idea of this and extended it in a 7th grade class. I think it would be very useful in upper level. I even had a history teacher come in and give a short presentation about the electoral college.

01:08:43 Michael Chrzan: Definitely worth it!

01:08:56 Brenda McNeese: That would be awesome. No state tests

01:09:11 Sharon Black-MacKinnon: I think they would be more prepared for the test

01:09:13 Rachel White: No state tests?

01:09:17 Ben Sinwell: It is a balance. Find a happy medium and maybe do it for 10 minutes a class or a week. Or once a month.

01:09:20 Alison Frost: I want to say something about that! I taught some in depth hands on units and the students knew those standards better than the ones that did not do the hands on work. The depth of knowledge was significantly better.

01:09:24 Kaitlyn Aspell: I agree, not a trade off! I've only taught where testing is important, but I think my kids are more invested when they are

interested.

01:09:33 Mary Anne Opila: Little steps

01:09:38 Veronica Elfe: Definitely worth it to implement it for maybe 10-15 minutes a couple of days a week; plus you'll pull your kids in and buy into you more

01:09:50 Cindy Bryant: The experiences that students have and the applications of mathematics within projects helps them to better understand and remember the mathematics.

01:09:52 Alison Frost: I agree with Kaitlyn, if you build rich tasks – Dan Meyer is right – they assessment numbers follow

01:09:54 Kaitlin Ray: Its worth it! Put in the effort and they become better thinkers! They are able to see an unfamiliar problem and analyze because of the groundwork you lay

01:10:09 Jennifer Cronin: Ben–I like the idea of once a month

01:10:10 Edye Christopher: They are more prepared because they break up the problems more throughout the year and are ready for anything they see on the tests.

01:10:22 Kaitlyn Solymosi: You can still cover the standards for state testing (probably even better than if you did typical instruction) while implementing data-rich activities for your students!

01:10:29 Alex Kash: I have my students look at the state test data to start conversations about analyzing data

01:10:47 Michael Chrzan: Tests still focus on some standards more than others. Find which of those kids could model with and just do 1 or 2 projects in a year to start! There really isn't a trade off. Kids can learn it for the test and forget it after - or learn it deeply and build on it through projects. The sticky-ness is more useful long term, so at the end they'll know about the same amount of math but with projects they learn about SO much more, including themselves.

01:11:03 Caitlin Maggi: What if you did Finding Fridays to start.

01:11:13 Konnie Guthrie: It seems that we have not shifted to what students will really use and need in their futures. Statistical Analysis should carry more weight. Students love working with data.

01:11:15 Jennifer Cronin: Caitlin, I like that!

01:11:23 Said Chatir: I use projects as supplemental learning experiences to apply and cement learned concepts.

01:11:43 Nora Chase: With these projects, students become problem solver, and will help them on these state test.

01:11:51 Danielle Mooney: He's so right... so many people don't understand exponentials in a real-life context with Covid-19 because we aren't teaching math in a real-world context!

01:12:05 DawnMarie Gaghan: Konnie totally agree with you

01:12:27 Barbara Harvey: I agree

01:12:37 Danielle Mooney: Global math department had a webinar last night about project based learning and this fits in so well!

01:12:42 Jennifer Cronin: Konnie, stats allows for great tie-ins with science too!

01:13:02 Jennifer Cronin: Danielle, what is Global Math Department?

01:13:08 Michael Chrzan: All of this said, math doesn't only exist to be useful! We still gotta get kids to see the beauty of math, so much awesome math has little to no application (that we know of) but it is still important!

01:13:11 Konnie Guthrie: I agree Jennifer.
01:13:36 Barbara Harvey: I really like those quotes
01:13:45 Megan Gerstenzang: Thanks for sharing. It is clear that you are passionate about using math education as a tool for social justice! Thank you for the ideas! (And the gentle push.)
01:13:58 Jennifer Cronin: The quotes are excellent
01:13:59 debbie zeineddine: absolutely Michael...plus lets not forget that math is the summary of thoughts not the other way around
01:14:04 Faith Peddie: @Jennifer 515
01:14:05 Robert Berry: A resource to consider
<https://www.nctm.org/Store/Products/High-School-Mathematics-Lessons-to-Explore,-Understand,-and-Respond-to-Social-Injustice/>
01:14:06 Ben Sinwell: 500+ people
01:14:15 Cindy Bryant: Teaching to the Test Cathy Seeley
<https://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Cathy-Seeley/Teaching-to-the-Test/>
01:14:19 Danife Palisoc: Danielle, do you have the link for the Global Dept?
01:14:28 Faith Peddie: A resource to consider
<https://www.nctm.org/Store/Products/High-School-Mathematics-Lessons-to-Explore,-Understand,-and-Respond-to-Social-Injustice/>
01:14:35 Kaitlyn Solymosi: I am an undergraduate student and emporium student instructor at BGSU for the College Algebra course and the biggest problem I find with students is that they are number pluckers and are afraid of words and applications in math problems! More so, many of them have no basis of statistics background at all! e need to focus more on mathematical implementations and real life situations using data to better prepare them for the real world!!!
01:14:37 peter zirnis: good ending for sure
01:15:01 Aric Barnes: Thank you for this presentation! Very inspiring quote at the end. Take care everyone.
01:15:05 Samantha Bustos: I just don't have confidence in making my own projects.
01:15:18 Rachel White: Relationships and connections are so important.
01:15:31 Chonda Long: Reminder: A certificate will be sent out tomorrow at 7:00 p.m. ET
01:15:34 Alison Frost: This has been wonderful, but a little overwhelming. So knowledgeable!
01:15:37 Kristina Grannan: link to certificate?
01:15:42 Trena Wilkerson: Excellent session! Great ideas and ways of thinking about mathematics to engage students.
01:15:43 Pamela Woodbury: I also like the idea of having the students pick their own topic - like the wheelchair project
01:15:54 Rachel White: Thank you. Lots of ideas.
01:15:59 Larry Arnett: Try and bring projects with something you enjoy
01:16:00 Alison Frost: You did great! It's just overwhelming!
01:16:04 Paul Blanckmeister: Thank you Carl.
01:16:08 Monique Despres: I live in a state in which facts are controversial. We are given explicit instruction not to talk about these things.
01:16:14 jeanine colwell: best webinar so far
01:16:14 Beth Snoop: worried: i teach refugee ELs from all over the world, plus we are on trimesters... we have so many math and language challenges,

that it would take so much to even set these up; they would all take so much time but so beneficial if we could get them to work!

01:16:15 Mary Cubbison: Thank you! This was fantastic

01:16:21 Patricia Ishihara: The question that came in earlier is if there is a resource that you can recommend that has excellent situations with which we can make these connections?

01:16:22 David Barnes: I think there is room for more collaboration between us as educators.

01:16:23 Michael Brown: Great isn't a failing of yours, it's a lack of confidence of my own abilities

01:16:25 Megan Gerstenzang: Great ideas. Just have to do it to feel better about all of the logistics involved

01:16:28 Cindy Bryant: Thank you Carl!

01:16:37 Robert Berry: Thanks Carl.

01:16:40 Megan Gerstenzang: Yes, what Michael Brown said!

01:16:46 Troy Long: Thank you for your presentation.

01:16:47 Sabrina Alleyne: Thank you for this presentation. Excellent! You addressed exactly what teachers and students should be during.

01:16:49 Sharon Ling: Thank you!

01:16:51 Alina Castillo: Thank you, great information and presentation!

01:16:59 Abby Roza: The balance of identifying a small enough bite of math that my students and I could tackle it and a context where that bite of math would be useful/meaningful seems difficult. Any advice on doing that?

01:16:59 Dawn Gesh: Time and getting all the State requirements in during the school year. I can think of several projects, but they wouldn't cover enough standards to justify the time.

01:17:03 Michael Chrzan: Samantha (and others) - confidence comes from failure! Just try some and learn from the mistakes. That's been my motto all year (first year attempting wall to wall PBL)

01:17:07 Carl Oliver: <https://cutt.ly/problematic>

01:17:08 Danielle Mooney: Thank you Carl!! This fits perfectly with the PBL and making my class more social justice conscious. Thank you!!!

01:17:12 Amy Hart: Thank you! Lots of information for me to work on while I am stuck at home.

01:17:13 Veronica Kwok: I also work in a project based school and I do make my own projects but I struggle with the inbetween part. My students are new immigrants from all over the world so I am struggling to get students from the beginning to the end product. Like how much is enough support/too little support? I have students who struggle with the English language and basic number sense (counting, arithmetic, etc.)

01:17:17 Betty Powell: Great ideas! Thank you!

01:17:23 jeanine colwell: great chat session everyone. great ideas

01:17:27 martyanne konig: Thanks for the presentation

01:17:31 Veronica Elfe: MARS

01:17:34 Elizabeth Sasse: Thank you. Good idea.

01:17:49 Melissa Medici: Great presentation! Thank you, Carl!

01:17:59 Danife Palisoc: don't have confident in making my own project, I 'm still learning the educational system here. Supports from my colleague, Facilatator, administrator and from the county. Thanks so much!

01:18:01 debbie zeineddine: NASA.com also has very very cool application

problems

01:18:01 Sharon Black-MacKinnon: Thank you so much. Wonderful presentation.
01:18:01 Marilu Deal: Thank you.
01:18:04 Connie Laughlin: Awesome session. Thank you Carl
01:18:11 Sharon Black-MacKinnon: Happy Earth Day!!
01:18:17 Patricia Ishihara: Mathematics Assessment Project (MAP) is
awesome, but not as tied in to systemic issues
01:18:18 Apolinario Barros: Teacher pay Teachers
01:18:18 debbie zeineddine: thank you all
01:18:21 Lorie Huff: Thank you, Carl, for sharing great information with
us. Thank you Ben, Faith, Chonda, Dave, and NCTM
01:18:22 Said Chatir: Awesome webinar! thank you, Carl!
01:18:22 Samantha Bustos: what was the first one he mentioned?
01:18:24 Beverly Krumpe: Thank you for the discussion
01:18:26 Heide Kaminski: great webinar!!!
01:18:33 Andrea Harris: Carl, thank you very much for your presentation.
Your ideas are fun and useful. I look forward to building them into my curriculum.
Thank you!
01:18:34 Abby Roza: What a very rich presentation. Thank you.
01:18:34 Roberta Ludwigsen-Hill: Collaborating with other content teachers
can lead to natural connection that can be developed for students
01:18:39 Dawn Gesh: Thanks!
01:18:52 Sabrina Orta: Thank you!
01:18:55 Mirasol Laberinto: So wonderful presentation Happy Earth Day
Everyone!
01:18:58 Veronica Elfe: You can make your own DESMOS activities too
01:18:58 Kaitlyn Solymosi: CODAP
01:18:59 Robyn Heath: Thank you Carl!
01:19:00 Robert Berry: <https://www.mathalicious.com>
01:19:02 Henry Vas Nunes: What's going on in this graph? NY Times
01:19:10 Rachel Muller: Thank you!
01:19:11 Claudia O'Keefe: thank you, Carl, Ben, etal!
01:19:14 Ca-Lishea Woods: There could be a project about food
insecurity or banking deserts. Have students locate a grocery store or bank. Then
have them calculate the distance to that location from an address in a lower SES.
That could lead to conversations about the kind of food sources and banking
available in lower SES locations.
01:19:17 Olga Kosheleva: Thank you.
01:19:22 Roberta Ludwigsen-Hill: Thank you Carl!
01:19:29 Barbara Harvey: Thank you Carl.
01:19:31 Konnie Guthrie: Thanks everyone for sharing.
01:19:39 Pooja Balani: Thank you
01:19:41 Shannon Otey: Thank you!
01:19:43 dana dulzo: thank you :)
01:19:44 Melissa Scroggins: Thank You
01:19:46 Carl Oliver: Carl Oliver
01:19:46 Dave Hankin: Thank you!
01:19:48 Veronica Elfe: Thank you!
01:19:49 Faith Peddie: Thank you for all of the ideas Carl!
01:19:50 Kim Ellis: Thank you very much.

01:19:50 Sheila Wong: thank you
01:19:50 Carl Oliver: carloliver@gmail.com
01:19:51 Coleen Bevington: NY times also has free lesson plans that are
awesome
01:19:51 Abby Roza: Yes. Thank you.
01:19:52 Danielle Mooney: Thank you!!
01:19:53 Cecilia Lopez: Resource for social justice. Math for All. Winter
2017, volume 12, number 2
01:19:54 Carl Oliver: @carloliwitter
01:19:56 Katherine Stanford: Thank you.
01:19:56 Leslie Texas: Thank you! It was excellent
01:19:58 Sreevelmurugan Vamadevan: Thank you Carl
01:20:02 William Luke: From William Luke Thank You Great session
01:20:05 Ginette Peralta Suarez: Thank you!
01:20:08 Gregg Martin: Thank you! good stuff....
01:20:12 Menchie Besa: Thank you!
01:20:15 Henry Vas Nunes: Thank you
01:20:15 Bethany Peterson: Thanks!
01:20:16 Sabrina Alleyne: Thank you!
01:20:16 Barbara Harvey: Bye everyone
01:20:18 Mohamed T: Thank you!
01:20:24 Luisa de Carteret: Thank you!
01:20:26 Danife Palisoc: Thank you so much!
01:20:29 Jennie Brown: Thank you!
01:20:33 Robyn Heath: Thanks everyone for putting this together, it is
helpful and informative!
01:20:34 Jorge Veloso: It was a good session. Thank you, bye bye.
01:20:35 Sabrina Alleyne: Good Night!
01:20:35 Carrie Even: Thanks.
01:20:37 NUR ALIYYAH IRSAL: thank you all!
01:20:38 Diane Leighty: Thank you!
01:20:41 Nora Chase: Thank You Sir, I enjoyed it very much.
01:20:43 Dr Deborah Smith: Thank you for sharing everyone!
01:20:50 Jo Harris: Thank you!
01:20:51 Nina Bilmes: Thank you very much. Stay healthy!
01:20:54 Teresa Barut: THANK YOU all! Great Zoom session... much
appreciated!!
01:21:06 Amy Rushall: Thank you all!
01:21:09 DawnMarie Gaghan: Thank you for the great ideas.
01:21:22 Kathleen Bulmer: Thank you
01:21:22 KEISHA SMITH: Thanks Carl
01:21:24 Faith Peddie: The certificate will be emailed
01:21:26 Apolinario Barros: Thank you for the seminar!!
01:21:36 Mary Johnson: Thank You very much - very interesting !!
01:21:37 Wesley Pace: Thank you.
01:21:48 David Barnes: Certificates are emailed to attendees tomorrow.
01:21:49 C Robertson: Thank you to all NCTM for your time in presenting
and orchestrating!
01:21:50 Victoria Yang: Thank you!
01:21:51 Daniel Irving: Thank you for such an incredible presentation!

01:21:51 Andrea Harris: I wish I had learned math this way when I was a kid!
Thanks again!

01:22:00 Essence Brice: THANK YOU Carl! This was FANTASTIC! I love how you
addressed the ELEPHANTS that have been present in so many classrooms. Great insight
on how to facilitate empathy and learning in our students.

01:22:06 Jayne Breton: Thank you so much for these high quality learning
opportunities from the comfort and safety of my home.

01:22:36 Maria Eleonor Bañares: thank you carl

01:22:37 Cindy Bryant: Thanks Chonda!

01:22:42 Michael Brown: what is carl's twitter again?

01:22:44 Kristin Gunderson: Thank you for this session

01:22:46 Kimberley Hoffman: Thanks so much.

01:22:49 Nora Chase: The link for the certificates don't work. Please
advise.

01:22:50 Geraldine Montoya: Thank you so much :)

01:22:52 Sharon Laahs: Thank you so much! I so appreciate these '100 Days'
opportunities!

01:22:53 Dewey Gottlieb: Great session!

01:22:54 Debbie Aldous: Thanks to the NCTM team for this!!

01:22:54 Mirasol Laberinto: Thanks Chonda

01:22:57 Lisa Hurst: Thank you!

01:22:57 Larry Arnett: Thank You

01:22:57 Dewey Gottlieb: Thanks Carl!

01:22:58 Jennifer Heldenbrand: Thank you Carl, thank you NCTM!

01:22:59 Dawn Gesh: Thank you NCTM!

01:23:00 Lesly Brown: Thanks Chonda! You are the absolutely best!

01:23:02 Brittney Melnick: Thanks!!