

00:26:35 Claudia O'Keefe: Hello there! From Buffalo, Ny
00:26:38 Beth Kobett: I am so excited to be here, Cathy!
00:26:50 Trent Thomason: columbia, tn
00:26:50 Michael Grizzafffi: Hello from South Dakota
00:26:52 Jorge Veloso: Hi! This Jorge Veloso from Dundo city, Angola.
00:26:53 Melissa Campbell: Hello from Melissa in Fort Payne, Alabama
00:26:53 Denika Gum: Hi from Virginia!
00:26:54 DawnMarie Gaghan: Hello from Long Island
00:26:57 Rebecca Hill: Hello from Batavia IL!
00:26:57 Olga Kosheleva: Hello from El Paso, TX
00:26:58 kate cottingham: HI from Montana
00:26:59 Christina Hall: Hello from Yuma, AZ
00:26:59 Gloria Carrasco: Hi from Winton, California
00:26:59 Aya Zvaigzne: Hello and best wishes from Nashville, TN
00:26:59 Nellie Alvarez: from Arizona Nellie Alvarez
00:26:59 Beverly Krumpe: Hello, from Paris TX
00:27:00 Jan Back: Hello from Jan Back in Hampton, Tennessee
00:27:00 Rita Shamrock: Rita from Senoia, GA
00:27:01 Catherine VanNetta: Hello from Baltimore
00:27:02 Faith Peddie: Hi everyone! Welcome to tonight's webinar!
00:27:03 Portia Felder: Greetings from Snellville, GA
00:27:03 Konnie Guthrie: Las Vegas here.
00:27:04 Emee Grace Suarnaba: Hello from TX
00:27:04 Leslie Sorace: Hey! From AZ
00:27:06 Trena Wilerson: Hello from Waco, TX!
00:27:07 Emily Kavanagh: Hello from Columbia, MD
00:27:08 Jeanine Colwell: hello from Newport nc
00:27:08 Laura Dickerson: Hi from Villa Rica GA
00:27:08 Lorie Huff: Hello form Fayetteville, Arkansas
00:27:08 RIZZA CASABUENA: Hello from Casa Grande, AZ
00:27:08 Jennifer McMillen: Hi! I am from Fort Worth, Texas.
00:27:09 Teresa Bulanda: hello from Connecticut
00:27:12 Kathryn Del Prete: Hi!! From NYC!!
00:27:13 Reycl: Hello from Shiprock NM
00:27:15 Skip Fennell: Hi from Westminster, Maryland
00:27:15 Katherine Stanford: Hello, from Farmington, NM
00:27:18 Jaclyn Murray: Hi from Cumming, GA
00:27:18 Laura Goss: Hello from Tulsa, Oklahoma
00:27:19 Pamela Liegl: Hi, I am Pam from Streator, IL
00:27:19 Beth Kobett: Beth from Baltimore!
00:27:20 Christopher Kenny: Hello from Washington, DC
00:27:20 Reginald Geans: Hello from Royse City, TX!
00:27:21 India Puch: India for Columbia, SC
00:27:22 Stephenia Courtney: Hello from Las Vegas, NV
00:27:25 Danielle Bentley: Hello from Kansas City! Home of the
Superbowl Champs the Kansas City Chiefs!!!!!!
00:27:25 Michelle Webb: Nashville TN
00:27:25 Faith Hettesheimer: Hello from Arizona!
00:27:25 Tina Hill: Hello from Tri-Cities TN
00:27:26 Barb Fukushima: Hello from western MA

00:27:27 Clarissa Rothe: Hello from San Bruno, CA
 00:27:28 Shari Sklar: Welcome From Arizona!
 00:27:28 Laura Lopez LeRoy: Hi from Laura in Houston
 00:27:29 Ronald Austria: Hi! from NC. I'm very excited again to learn..
 00:27:31 Milagros Smith: Hello from Ocala, FL
 00:27:34 Dewey Gottlieb: Hi Cathy!
 00:27:37 Carol Matsumoto: Hi from chilly Winnipeg.
 00:27:40 Chonda Long: Hi Ken
 00:27:40 Mary Anne Opila: Hi, from Pennsylvania!
 00:27:42 Sharon Black-MacKinnon: Good evening from New Brunswick Canada
 00:27:43 Charleta White-Fletcher: Rocky Mount NC
 00:27:52 Jet Yeung: Hello Everyone
 00:27:53 bonnie manzon: Bony from Vallejo, CA
 00:27:53 Terri Davis: Hi, from Richmond VA
 00:27:56 Agus salim Mardin: Wassalam, from indonesian...
 00:27:57 Galit Sandaev: hello from MONTREAL canada
 00:27:59 peter zirnis: hello from Toronto Canada any snow in Chicago?
 00:28:01 Chonda Long: Welcome everyone!
 00:28:02 Ramona Hall: Hello from Charlotte, NC
 00:28:08 Luzviminda Bayarong: Hello from Maryland
 00:28:09 Christina Tully: Hi from Las Vegas, NV
 00:28:11 W Tad Johnston: Hi, Tad from DC
 00:28:11 Diane Anderson: Hi from Massachusetts
 00:28:13 michael Lanstrum: Hello from Cleveland, OH
 00:28:16 Brittney Melnick: Hi all from Cape Breton Canada!
 00:28:16 Anna Riabtsev: Alexandria, VA
 00:28:16 Janice Holland: Hi, to everyone, from Suffolk, VA - Jan Holland,
 here
 00:28:16 Monica Roland: Good evening from Savannah Ga
 00:28:18 Linda Rodriguez: Yuma, AZ
 00:28:19 Lyn Pizzano: Lyn from Londonderry, NH
 00:28:19 Denise Walston: Hello Everyone from Chesapeake, VA
 00:28:22 Michael Brown: Hi from RI
 00:28:23 Jamie Cook: Mesa, AZ!
 00:28:25 Sreevelmurugan Vamadevan: Hi,Sreevelmurugan from Miami,AZ,
 teaching K-12
 00:28:26 Irni latifa Irsal: hello... from indonesia
 00:28:29 Maria Padiernos: Hello from The Big D - Detroit, MI
 00:28:31 Jennifer Sanchez: hello from ONTARIO
 00:28:33 Catherine VanNetta: We can see you!
 00:28:36 India Puch: I can see you
 00:28:37 Annette Gushue: hello from Massachusetts
 00:28:39 Chance Nalley: Chance Nalley, Ethical Culture Fieldston School,
 Bronx NYCf
 00:28:40 Carly Jardinier: Hello from MD, USA :)
 00:28:40 Portia Felder: We see you
 00:28:42 Angela Tseng: We see you and hello from HOT Southern California
 00:28:43 Cara Dote: Aloha from Hawaii!
 00:28:45 RIOLEN RUDIO: Good morning from Philippines
 00:28:50 Lesly Brown: Hello from Tennessee

00:28:52 Stacy Milas: Hi from Yonkers, NY!
00:28:54 Myra Collins: I see you! Looking good, Cindy.
00:28:56 Lynn Rakatansky: Hi from Rhode Island!
00:29:02 Ann Assad: Hello. Paducah KY
00:29:03 Jennifer Sanchez: yeeiii
00:29:05 Ron Perry: Hello from Buffalo NY, supposed to SNOW on Saturday!
00:29:11 Said Chatir: Hello from Plainfield NJ
00:29:14 Lesa Turner: Hello from Springfield, TN
00:29:15 Sharon Ling: Hi from NJ!
00:29:18 Nadia Messadi: Hello from Fayetteville, Arkansas!
00:29:21 Annette Gushue: snowing here on Saturday too in Massachusetts
00:29:22 Menchie Besa: Hello from Jacksonville, FL
00:29:23 Nicole Burgess: Hi from Nashville
00:29:24 DeShonda Thigpen: Hello from Nashville TN
00:29:27 W Tad Johnston: Cindy, thanks for doing introduction. Good to see
you
00:29:29 Joe Vignolini: hello from Fairfax va
00:29:30 Kiera Bruce: Hello from Greensboro NC!!!
00:29:32 Tim Bobay: Hello from NC!
00:29:33 ELLA CABRERA: Good Morning!!!

From Philippines 🍷🍷

00:29:33 LaDonna Allison: Hello from North Carolina
00:29:34 Karisma Alexander: got it
00:29:34 Emily Barbee: Hello from Memphis!
00:29:37 Faith Lowery: hey! Randolph County, NC
00:29:38 Paaruu Kwiatkowski: Hello from Southern California
00:29:39 Steven Jarowski: Hello from Harpers Ferry WV
00:29:39 KEISHA SMITH: Hello from Montgomery, AL
00:29:45 Luzviminda Bayarong: From MD
00:29:46 Jeanetta Glass: hello from Memphis
00:29:46 Alicia Madsen: Hi! From SLC, UT
00:29:46 Dana Nathanson: Hello from TEXAS!!
00:29:48 Ioana Boca: Hello from Urbana, Illinois
00:29:50 Jenn Brokofsky: hello from Saskatoon Canada.
00:29:51 Jeff Shih: Hi from Las Vegas!
00:29:52 Annette Gushue: can the presenters see us
00:29:54 paloma carrera: hi from Texas
00:30:10 Jacqui Vansoest: Hi from Woodland, Washington
00:30:10 Enkelejda Limani: Hello from Brooklyn, New York City!
00:30:13 Sue Draper: Niagara falls NY
00:30:17 Opal Ruiz: Hello from Long Island , NY
00:30:23 Laura Renz: HI from Seattle!
00:30:27 Karrie Jarman: Hello from NC!
00:30:28 Daniel Irving: Hello from North Providence, RI!
00:30:40 Shauna Brown: Hi for Brooklyn NYC
00:30:41 Faith Peddie: The presenters can not see you, only your name
00:30:42 Deniz Çakır: Hello from İzmir, Turkey
00:30:42 Joanmarie Kulinka: from: Joan from Virginia Beach, VA
00:31:18 Annette Gushue: This is amazing as we are all in this together

teaching online

00:31:39 Emily Kavanagh: That is awesome
00:31:40 Faith Peddie: @Annette I agree!
00:31:40 Danielle Bentley: THANK YOU, Cathy!
00:31:48 Faith Peddie: HAPPY BIRTHDAY TO CINDY!
00:31:49 Ashley Brehl: Thank you!!
00:31:51 Mohamed Jamaludeen Thirapusa Mohaideen: Hi Greetings from Mohamed.
00:31:58 Faith Peddie: HAPPY BIRTHDAY TO CINDY!
00:32:04 Mary Anne Opila: Thank you for the masks! Yeah!
00:32:09 Mohamed Jamaludeen Thirapusa Mohaideen: Thanks so much Happy B'Day!
00:32:09 Renee Parsley: From: Renee Parsley - Hello from Delaware!
00:32:12 Deanna Rigdon: hello from utah
00:32:27 Vicki Roman: Hello from Worcester, MA!
00:32:27 Jennifer Sanchez: I want a face mask 🤩
00:32:28 Terri McCarthy: Hi from Danbury, CT
00:32:29 Lorie Huff: The mask making is an awesome service, Cathy!
00:32:33 Beth Kobett: Happy Birthday Cindy!!!
00:32:35 Aya Zvaigzne: yes
00:32:36 India Puch: we can see it
00:33:16 Jan Carter: Hello from Union, SC
00:33:27 Catherine Anderson: Hi from Virginia Beach, VA
00:33:44 Chonda Long: The handouts will be posted tomorrow with the
recording
00:33:46 Cindy Bryant: Thank you Faith and all for your Birthday wishes!!!
00:33:59 Lorie Huff: Happy Birthday, Cindy
00:34:00 Emily Kavanagh: Happy Birthday Cindy
00:34:02 Danielle Bentley: Happy Birthday, Cindy!!!!!!
00:34:04 Aya Zvaigzne: HAPPY BIRTHDAY CINDY
00:34:05 Abby Lyon: Happy Birthday!!!
00:34:06 Angela Tseng: HBD, Cindy!
00:34:08 Gabby Trojanowski: Happy Birthday!
00:34:10 Noe Eugenio: Happy Birthday Cindy!!!
00:34:11 Medria Hall: Hello from Massachusetts
00:34:11 Skip Fennell: Happy Birthday Cindy!!!!!!!!!!
00:34:11 Deniz Çakır: happy birthday!!!!
00:34:11 Kiera Bruce: Happy Birthday!!!!
00:34:11 Lyn Pizzano: HAPPY BIRTHDAY!!!
00:34:12 LaDonna Allison: HAPPY BIRTHDAY CINDY
00:34:12 Lorelei Phillips: Happy Birthday!
00:34:12 barbara bartlett: Happy Birthday
00:34:12 Stacy Milas: Happy Birthday!!!
00:34:13 Karisma Alexander: Happy Birthday Cindy
00:34:13 Carol Matsumoto: Happy birthday Cindy
00:34:13 Sharon Ling: happy birthday
00:34:14 DawnMarie Gaghan: Happy Birthday
00:34:15 Ashley Brehl: Happy Birthday!
00:34:15 India Puch: HBD Cindy
00:34:15 Rebecca Hill: HAPPY BIRTHDAY!!!
00:34:16 Sharon Black-MacKinnon: Happy birthday Cindy!!
00:34:17 William Speer: Happy birthday, Cindy!

00:34:18 Daniel Irving: Happy Birthday!!!!
00:34:19 Terri McCarthy: Happy Birthday!
00:34:22 Caitlin Maggi: Happy Birthday
00:34:22 Medria Hall: HAPPY BIRTHDAY!
00:34:23 Christina Hall: Happy Birthday!
00:34:24 Mary Ferris: Happy Birthday Cindy!!
00:34:24 kate cottingham: Happy birthday!!!
00:34:25 Danielle Bentley: Wow, you play a mean fork!
00:34:26 Jeanine Colwell: thank you for spending your birthday with us
00:34:27 Kendra Edwards: Happy Birthday Cindy!!!
00:34:28 Nicole Burgess: Happy Birthday from Nashville!
00:34:28 Tina Hill: Happy Birthday!!
00:34:29 Faith Hettesheimer: Happy birthday Cindy!!
00:34:29 Ronald Austria: Happy birthday Cindy!
00:34:29 Ana Guerrero: Happy Birthday!
00:34:29 Emily Barbee: Happy Birthday!!!
00:34:29 W Tad Johnston: Happy Birthday!!
00:34:30 Christy Woody: Happy birthday!
00:34:31 Beth Kobett: This is fabulous! Wonderful for the Birthday Girl!
00:34:31 Leighann Feola: Happy Birthday Cindy
00:34:32 Faith Peddie: Do you have a specific question Zalman?
00:34:32 Laura Tomas: Happy Birthday!!!!
00:34:32 Louis Cicero: Happy birthday
00:34:32 Renee Parsley: Happy Birthday Cindy!
00:34:32 Katherine Dominick: Happy Birthday!
00:34:33 Carly Jardinier: Happy Birthday, Cindy!
00:34:34 RIOLEN RUDIO: happy birthday
00:34:35 Barb Fukushima: Happy Birthday!!!!
00:34:35 Debra Robinson: Happy birthday!
00:34:35 Dawn Mitchell: Happy Birthday!!!
00:34:35 Angela Tseng: That's such a cute Happy Birthday JibJab for Cindy!
00:34:37 Robert Berry: Happy Birthday Cindy
00:34:37 Katherine Stanford: Happy, happy birthday, Cindy!
00:34:38 Barbara Boschmans: Happy Birthday Cindy!!!
00:34:39 Jeff Shih: Happy birthday!
00:34:40 Jet Yeung: Happy Birthday, Cindy
00:34:40 Konnie Guthrie: Happy Birthday Cindy
00:34:41 Amanda Mills: Happy Birthday Miss Cindy!
00:34:41 Jennifer McMillen: Happy Birthday, Cindy!
00:34:42 Reycl: Happy Birthday
00:34:42 Cindy Bryant: THANK YOU All so very much!!!
00:34:42 Cate Stallmeyer-Gerard: Happy Birthday
00:34:45 Keithra Mackey: Happy Birthday !!!!!
00:34:47 Ana Alcaraz: Happy Birthday!
00:34:49 Sreevelmurugan Vamadevan: Happy Birthday Cindy
00:34:50 Carmen Luna-Robledo: Many returns of the Day! Happy Birthday!
00:34:50 Reginald Geans: Happy birthday Cindy!
00:34:52 Chonda Long: Happy Birthday Cindy!
00:34:53 Amy Brunson: Happy Birthday!
00:34:54 Cara Dote: Hau'oli la hanau!

00:34:54 Jennifer Sanchez: :) bday air hug
00:34:54 Catherine Anderson: Happy Birthday Cindy!
00:34:58 Teresa Bulanda: Great!Happy Birthaday Cindy!
00:35:21 Michael Grizzafffi: Happy Birthday!
00:35:28 David Barnes: @Jeff Shih made the video!
00:35:34 Archita Vaghasiya: Happy Birthday!!!
00:35:41 Cindy Bryant: Great job Jeff!!!
00:35:50 Nadia Messadi: Happy Birthday!
00:35:55 Kathleen Morris: they're empty
00:35:55 Aya Zvaigzne: NO HANDS ON
00:35:58 Jeanine Colwell: they are empty
00:35:59 Amy Brunson: Not being in the classroom.
00:36:00 Cindy Bryant: No teachers and students in them!
00:36:01 Emily Kavanagh: Not being face-to-face with students
00:36:02 Melissa Campbell: they're remote
00:36:03 Anna Riabtsev: Not evey student attends
00:36:03 Sharon Black-MacKinnon: They are empty
00:36:03 Debra Sala: Stress
00:36:04 Cecilia Lopez: pandemic
00:36:04 Myra Collins: There is no one there.
00:36:04 Ana Alcaraz: long lectures
00:36:04 barbara bartlett: Loss of face to face
00:36:04 India Puch: That we have to wear masks
00:36:04 Alicia Madsen: Not being able to discuss in live time
00:36:05 Katherine Stanford: Online teaching when unprepared
00:36:05 Ann Maas: NO STUDENTS IN THE CLASSROOM
00:36:05 Rebecca Hill: NO STUDENTS
00:36:06 Janice Holland: they are virtual
00:36:06 Chastity Brewster: They are empty
00:36:07 Laura Tomas: Not being able to HUG my kids!!!
00:36:08 Jamie Cook: Not being in the classroom
00:36:08 Terri Davis: Expecting students to learn new concepts on their
own
00:36:09 Catherine VanNetta: Not being with our students!
00:36:09 Nadia Messadi: Zooms
00:36:09 Eme Grace Suarnaba: students not interested to learn
00:36:10 Shari Sklar: They're empty
00:36:10 Louis Cicero: Working from home
00:36:12 Faith Hettesheimer: No students
00:36:13 Caitlin Maggi: Connecting
00:36:13 W Tad Johnston: students are not together
00:36:14 Jan Carter: No hands on
00:36:14 Margie Coleman: not being there :(
00:36:14 Ashley Brehl: Not face to face with our kiddos!
00:36:14 Brenda McNeese: For me, online teaching I don't have a way for
students to write.
00:36:15 Leighann Feola: Not being face to face with my students
00:36:15 Rebecca Hill: no hands on manipulatives
00:36:16 Michael Grizzafffi: no students in the room
00:36:16 Portia Felder: competing with Netflix and tic tok

00:36:16 Michael Brown: whatclassrooms?
00:36:19 Kathryn Del Prete: classroom are in over 30 places at once
00:36:19 Susan Watson: Slipping into old habits...watch me do it...now do
it my way
00:36:20 Menchie Besa: No Classroom at all..
00:36:20 Leslie Sorace: Not being with my students
00:36:20 Konnie Guthrie: For me it is the fact that I am not as good as what
I want to be and the lack of participation.
00:36:21 Diane Anderson: not being in the class room
00:36:21 Paaru Kwiatkowski: empty classroom!
00:36:21 Cate Stallmeyer-Gerard: no hands on
00:36:22 Kathleen Williams: kids not engaged
00:36:23 Ronald Austria: boring
00:36:23 Brittney Melnick: Stress, no effort from students, feeling
like you're doing everything you can but it not being enough
00:36:23 Reginald Geans: Can't teach to Mastery!
00:36:24 Ann Assad: Children left behind
00:36:24 Barb Fukushima: no discourse with students
00:36:24 Cara Dote: We're not together in the same space "doing" math
together.
00:36:25 ANALINE BAUTISTA: classes cut-off
00:36:25 Kiera Bruce: Students learn easier when we're together
00:36:25 Nicole Burgess: Lack of quality teaching time due to standardized
testing.
00:36:25 Jennifer Sanchez: zoom
00:36:26 Sharon Ling: Students might feel isolated
00:36:26 Mary Anne Opila: not together
00:36:26 Lyn Pizzano: No continuity
00:36:27 Rebecca Hill: FACTS
00:36:27 Denise Walston: not continuing to build relationships
00:36:28 Michelle Webb: contact with students is difficult
00:36:28 Gail Saltveit: cannot see the students to see if they comprehend
00:36:29 Amanda Mills: no hands-on learning
00:36:31 Deborah Parron: No equity
00:36:33 Medria Hall: STUDENTS NOT WORKING INDEPENDENTLY
00:36:33 Amy Glaser: no face to face interactions
00:36:35 Debra Sala: Learning gaps are growing
00:36:37 Paul Curtis: Missing the students
00:36:40 Jan Carter: heartbreaking
00:36:43 Kiera Bruce: No equity is an amazing one
00:36:46 Denise Walston: lack of interaction
00:36:51 Sreevelmurugan Vamadevan: I am Missing my students
00:36:55 Angela Tseng: So many teacher colleagues of mine are jumping
online now
00:36:55 Ashley Brehl: So much growth!
00:36:55 Myra Collins: getting kids talking about math
00:36:56 Gabby Trojanowski: Rejuvenated energy
00:36:58 Emily Kavanagh: Possible return to classroom
00:36:59 Laura Tomas: HUGGING MY KIDS!!!!!!!!!!
00:36:59 Rebecca Hill: NEW TECHNOLOGY

00:37:01 Kathleen Williams: Kids driving instruction
00:37:01 Cindy Bryant: being able to learn all the things we've learned o
improve
00:37:01 Margie Coleman: community
00:37:02 Faith Hettesheimer: New content being taught
00:37:02 Brenda McNeese: writing, lots of engagement, discussions, fur
00:37:03 Lyn Pizzano: Face to face interaction
00:37:03 Sharon Black-MacKinnon: Stronger connections with students
00:37:04 Brittney Melnick: Growth, energy
00:37:05 Mary Anne Opila: appreciation
00:37:05 Gail Saltveit: more proficiency learning
00:37:05 Sandhya Raman: more technology infused
00:37:06 barbara bartlett: Creative Thinking
00:37:06 Brenda McNeese: funr
00:37:06 W Tad Johnston: KIDs glad to come back!
00:37:06 Alicia Madsen: Students discussing their understandings
00:37:07 Ana Alcaraz: small classes with lots of love and discussion
00:37:07 Beth Snoap: students excited to be back in the classroom
00:37:07 Michael Grizzafffi: Seeing the students again
00:37:07 Ioana Boca: combine online and face to face
00:37:07 Angela Tseng: Kids and teachers are both using technology to learn
00:37:08 Denise Walston: students missing school
00:37:08 Leslie Sorace: Being connected with technology more
00:37:08 Amy Glaser: collaborative and blended learning
00:37:08 Kathleen Morris: more focus on leveling the playing field
00:37:08 Deborah Parron: Children being engaged and focused
00:37:09 Caitlin Maggi: more communication
00:37:10 David Barnes: teachers collaborating!
00:37:10 Rebecca Hill: EXCITEMENT
00:37:10 Louis Cicero: Having the kids back
00:37:10 Diane Anderson: seeing my kids
00:37:12 Portia Felder: parent appreciation of teachers
00:37:13 Aya Zvaigzne: More students feel comfortable about sharing their
thoughts with each other
00:37:14 Susan Troutman: New integration of technology
00:37:14 Michelle Webb: learning new technology
00:37:14 Shari Sklar: Students appreciating being in school
00:37:14 Paaru Kwiatkowski: seeing kids
00:37:15 Sreevelmurugan Vamadevan: Deliver more
00:37:15 Katherine Stanford: Learning new ways to approach this new
normal
00:37:16 bonnie manzon: Learning about being a good businessman
00:37:17 Leighann Feola: Super energy and respect with students
00:37:17 Jeanine Colwell: NCTM has given me excitement and ideas to
add to my classroom
00:37:17 Vittorio Ciummo: Job security
00:37:17 Teresa Bulanda: will be more prepare..
00:37:18 Jamie Cook: student motivation
00:37:18 Konnie Guthrie: Low Floor High Ceiling students engaged in thinking.
00:37:18 Amanda Mills: A renewed feeling of wanting to grow a classroom

community

00:37:21 Cate Stallmeyer-Gerard: application with hands on learning
00:37:21 Noe Eugenio: integrate technology in learning
00:37:22 Janice Holland: everyone will have a new appreciation of being
together
00:37:23 Ann Maas: Students appreciating being able to be in school'
00:37:24 Deniz Çakır: being together
00:37:25 Michael Brown: rising from the ashes
00:37:25 Christopher Kenny: The desperation and growth of education
technology usage and strategies for remote learning
00:37:26 Reginald Geans: Students appreciate you more, and learned
responsibility
00:37:26 Aya Zvaigzne: creative thinking
00:37:27 Amy Brunson: Kids being excited to be in the classroom!
00:37:29 Menchie Besa: Getting out of my comfort zone..
00:37:29 Denise Walston: growth in students; they have learned and are
persistent
00:37:30 Shernette Bucknor: see learning taking place
00:37:31 Chance Nalley: mandatory smaller class size
00:37:32 Renee Parsley: Students and teachers are more willing to use tech
to make sense of stuff and create
00:37:32 Christina Hall: Students enjoying and loving school because they
know what it is like not to be there.
00:37:32 Reyce: virtual math classroom for the fall
00:37:34 Karisma Alexander: Being with my kids
00:37:36 Katherine Dominick: Bringing Math to life with creative
thinking!
00:37:39 Medria Hall: Kids in learning mode...ready to reset
00:37:40 Rebecca Hill: HANDS ON LEARNING
00:37:43 Myra Collins: rising Phoenix
00:37:48 Ann Assad: Value student thinking
00:37:54 ANALINE BAUTISTA: being creative to get the message across
00:38:06 Cindy Bryant: LOL
00:38:15 Faith Peddie: Do you have a specific question Zalman?
00:38:57 bonnie manzon: watch youtube "Tomfoolery, Hindsight is 2020"
00:39:27 W Tad Johnston: all of them darn it..
00:39:32 Cindy Bryant: GREAT documents!!!
00:39:48 India Puch: I have a few of those.
00:41:01 bonnie manzon: Where's my slide rule?
00:41:19 Cindy Bryant: @Bonnie...I remember using the slide rule!
00:41:47 Beth Kobett: YAY! 1985 - the year I started teaching!
00:41:48 W Tad Johnston: Mine are in the bottom left hand drawer (yes,
multiple slide rules)
00:42:22 Michael Brown: I have my father's
00:42:26 bonnie manzon: some people still use abacus
00:42:30 Cindy Bryant: 1985, you are just a baby Beth Kobett!!!
00:42:40 Michael Brown: 88 I graduated HS
00:43:00 Lyn Pizzano: In 1983 I graduated from HS
00:43:15 Jeanine Colwell: I graduated hs in 1978
00:43:23 Beth Kobett: Hahahaha @Cindy!

00:43:40 Sreevelmurugan Vamadevan: 1979 I smy birthyear
00:43:51 Jeanine Colwell: oh my
00:43:57 Cindy Bryant: So glad that we have so many of you younger ones on here...the future looks bright with you having you all to carrythe mathematics torche!
00:44:07 Cindy Bryant: *torch
00:44:16 Beth Kobett: How amazing that all these teachers are still bringing it to the learning environment alongside the bright young faces! I am honored to learn beside all of you!
00:44:19 Trena Wilerson: Agreed Cindy-bright future indeed!
00:44:45 Annette Gushue: Amazing how times have cahnged
00:45:04 Ashleigh Walton: You guys were my teachers...graduated HS 1999
00:45:09 Cindy Bryant: Adding it UP!!! Everyone should have this resource!!!
00:45:15 W Tad Johnston: @Annette or really haven't changed much :-(
00:45:21 bonnie manzon: I love his - important to have a historical context
00:45:39 Beth Kobett: I think I quote Adding it up in every presentation!
00:45:40 Myra Collins: It's a great book. Adding It Up has amazing insight
00:45:41 Trena Wilerson: All fantastic resources that transcend time and guide our paths even today!
00:46:14 Denise Walston: love Adding it Up. especially the picture of the strands together
00:46:28 Jeanine Colwell: common core, worst idea ever
00:46:59 Emily Kavanagh: Yes
00:47:05 Nadia Messadi: agree
00:47:06 Michael Brown: no the interpretation took it off the rails
00:47:48 bonnie manzon: With common core, students can't ask their parents fro help!
00:48:21 W Tad Johnston: Yes, let's keep the mathematics that did not work for their parents but keep them comfortable
00:49:33 Enkelejda Limani: What he said...lol
00:49:43 Terri Davis: Most students can't ask their parents for help with foreign languages either! Not a good reason not to move forward.
00:49:43 India Puch: continuing
00:50:01 Susan Troutman: Still good mathematics for all students
00:50:08 Gail Saltveit: very little has changed in my high school.
00:50:10 barbara bartlett: Listening to students reasoning
00:50:10 Louis Cicero: Very little
00:50:14 Jeanine Colwell: I see it changing a lot, more hands on things
00:50:16 Emily Kavanagh: More technology
00:50:16 Rebecca Hill: not much has changed in the vision....
00:50:17 Amy Brunson: Moved from teacher centered to student centered.
00:50:19 Eme Grace Suarnaba: not much
00:50:20 Laura Tomas: I think it's been the same since the beginning. However, things move and change SO SLOWLY in education!!!
00:50:22 Catherine VanNetta: More emphasis on effective teaching practices
00:50:23 Portia Felder: not much change
00:50:24 Margie Coleman: it needs to be more universal, full buy-in

00:50:25 Deirdre Murphy: I see much more language and discussion
00:50:28 Diane Anderson: not much
00:50:28 Teresa Bulanda: not much
00:50:29 Lyn Pizzano: Lot of technology
00:50:31 Michael Brown: increased technology
00:50:32 Melissa Campbell: elementary has changed much more than MS/HS
00:50:34 Stephenia Courtney: more technology
00:50:34 Janice Holland: but, foreign language is not necessarily a basic requirement for every day life like math is
00:50:34 Rebecca Hill: taking what works and make it better
00:50:35 Joanmarie Kulinka: very little has changed
00:50:35 Christopher Kenny: There is an onus on the students to do the heavy lifting of the learning, not the teacher
00:50:38 Denise Walston: vision is the same but implementation isn't consistent y
00:50:39 Ashley Brehl: small group instruction
00:50:41 Terri Davis: Lost sound
00:50:42 Claudia O'Keefe: Mathematics needs to be less about the "grammar" and more about the "poetry"
00:50:43 barbara bartlett: more student centered
00:50:44 Sharon Black-MacKinnon: Very little change aside from the availability of technology
00:50:47 Karrie Jarman: More in-depth problems
00:50:48 Gail Saltveit: seems to be frozen
00:50:50 Sharon Black-MacKinnon: Lost all sound
00:50:54 Stephenia Courtney: frozen
00:50:57 Shari Sklar: more stress on students understanding concepts, not just rote mathematics.
00:50:59 Reginald Geans: The technology has changed, but it's not being used correctly
00:51:00 Katherine Stanford: Access to more appropriate tools—calculators, computers, and less focus on actual thinking
00:51:00 India Puch: yes frozen'
00:51:06 Emily Barbee: More technology and more student discourse
00:51:10 Mohamed Jamaludeen Thirapusa Mohaideen: hoping to back in.
00:51:14 Aya Zvaigzne: It's all good.
00:51:22 Joanmarie Kulinka: Joan technology been aided
00:51:24 Mohamed Jamaludeen Thirapusa Mohaideen: Wonderful
00:51:24 Catherine VanNetta: More emphasis on differentiating instruction
00:51:25 Rebecca Hill: collaboration
00:51:26 Shernette Bucknor: It has changed a lot. There is more creativity and hands on experience and a number of use of manipulatives
00:51:35 Lyn Pizzano: Lot of hands on with Math centers
00:51:38 LaDonna Allison: it has changed a lot
00:51:39 Aya Zvaigzne: Messy problems, for problem solving
00:51:40 Shari Sklar: Teacher as facilitator not expert
00:51:41 W Tad Johnston: The emphasis on productive struggle seems to have increased in the last 20 years, but there is one article from the late 80's "Helping them find Glory in the Struggle" worth trying to find
00:51:41 Catherine VanNetta: alternative assessments

00:51:46 Nadia Messadi: more on concepts

00:51:51 Amy Glaser: Math is broader now. Not one correct answer.

00:51:51 Michael Brown: more why!

00:51:52 Konnie Guthrie: Problem Solving always drives good discussions.

00:51:53 Deborah Parron: more discussion by students about math instead of the teacher

00:51:58 Denise Walston: equity and access for all students

00:52:05 Mohamed Jamaludeen Thirapusa Mohaideen: welcome back!

00:52:15 Laura Tomas: It's up to the INDIVIDUAL TEACHER to change his/her practice and/or knowledge!

00:52:19 Rebecca Hill: more about the process....and math practices

00:52:22 Catherine VanNetta: More interest in the process not just the answer

00:52:30 Denise Trakas: Just an FYI it keeps kicking me out too.

00:52:38 Laura Tomas: Yes

00:52:40 Ellie Lewis: yes

00:52:42 Archita Vaghasiya: yes

00:52:42 Noe Eugenio: Yes

00:52:43 Nadia Messadi: yes

00:52:43 Aya Zvaigzne: We got you !

00:52:45 Stephenia Courtney: yes

00:52:45 Ron Perry: students discover their learning instead of being told the learning

00:52:46 C Rob ertson: yes

00:52:51 Raul Menjivar: we are in a chsnging world

00:53:00 Enkelejda Limani: explore problematic situations, not word problems.

00:53:05 Lisa Salles: Agree with Laura... we still need to sell this vision to the majority of math teachers and then give those individuals the tools to make the vision happen.

00:53:17 Sharon Black-MacKinnon: no sound

00:53:21 Laura Tomas: LISA - YES!

00:54:27 Diane Anderson: yes

00:54:28 Renee Parsley: Some things have changed. Systems seem to either recognize on their own or are held accountable to providing access to all. Not so easy to ignore certain students systemically. And like to think there is a genuine goal to believe in all students and provide access to important math. Easy to lose ground here though.

00:54:34 Michael Brown: need financial literacy

00:54:45 Ron Perry: explaining their thinking instead of giving just an answer

00:54:51 Jeanine Colwell: yes Michael

00:54:57 Jenny Cheng: Where I can definitely see the vision continued in the educator realm, since learning can be thought of as partnership between student, teacher, and parent/guardian, I don't see as much change for the parent/guardian/larger community. And I love to see a shift in the larger societal community to assist us as educators to move the dial to meet the NCTM's vision

00:54:59 Rebecca Hill: yes! TPT has made it challenging

00:55:11 Cindy Bryant: Some real challenges!!!

00:55:19 David Barnes: Hi Zal. Thanks for joining us.

00:55:21 Terri Davis: TPT...SMH!

00:55:36 Dewey Gottlieb: An emphasis on humanizing/rehumanizing has emerged as an outgrowth of that evolving vision.

00:55:37 Jeanine Colwell: less lecture

00:55:38 Shari Sklar: more project-based

00:55:43 Margie Coleman: more student centered - in some classrooms

00:55:45 Rebecca Hill: small group instruction

00:55:47 Amy Brunson: More discovery

00:55:47 Rebecca Hill: workshop model

00:55:47 Renee Parsley: More cool problems

00:55:48 Claudia O'Keefe: Some teach exactly the same as they learned and their teachers learned.

00:55:48 Susan Troutman: More hands-on and problem-solving activities

00:55:49 Louis Cicero: No books

00:55:49 Shari Sklar: asking meaningful questions about process

00:55:50 W Tad Johnston: More start with the problem

00:55:52 Ashley Brehl: group discussion

00:55:54 Deirdre Murphy: more understanding of why it works

00:55:55 Rebecca Hill: writing in math

00:55:56 Terri Davis: Better technology to share individual student thinking

00:55:56 Karrie Jarman: fewer problems, more problem solving

00:55:56 Aya Zvaigzne: Teaching students HOW to have academic conversations / discourse

00:55:57 Lyn Pizzano: More emphasis on the standards

00:55:57 Cara Dote: Number sense

00:55:58 Medria Hall: conceptual

00:55:59 India Puch: yes more problem base

00:55:59 Deniz Çakır: more technology

00:56:00 Penina kamina: Little demo and practice

00:56:02 Shari Sklar: emphasis on why as opposed to how

00:56:02 Amy Glaser: less worksheets/ workbooks

00:56:03 Jacqueline Scott: There is a lot more hands on and less memorization

00:56:04 Ron Perry: student discovery

00:56:04 Paaru Kwiatkowski: moving to facilitating

00:56:04 Lorelei Phillips: more hands-on, problem solving skills

00:56:04 Michael Brown: the ability to have multiple approaches

00:56:04 Rebecca Hill: number talks

00:56:05 Laura Tomas: This is Year 28 for me. THANK GOD I have been a life-long learner! Students are UP and TALKING TOGETHER!

00:56:05 Laura Goss: small group rotaitons

00:56:07 Katherine Stanford: Good grief, when I was in high school we used slide rules. The was a lot of drill and kill.

00:56:09 Catherine VanNetta: Multiple representations

00:56:09 Faith Hettesheimer: Hands on

00:56:09 Kelli Freiwald: more tech less timed tests

00:56:11 Stephenia Courtney: Problem Solving that is student relevant

00:56:11 Claudia O'Keefe: Others have adapted the ideals of student centered work and inquiry and discovery

00:56:14 Emily Kavanagh: more hands-on definitely
00:56:15 Michael Grizzafffi: More collaboration among students
00:56:15 Jennifer Ruschhaupt: Number sense
00:56:16 Rebecca Hill: strategic fluency!
00:56:18 Menchie Besa: More on Collaborative Approach
00:56:19 Barb Fukushima: allowing the students to construct their knowledge
00:56:19 Paaru Kwiatkowski: student centered
00:56:21 Ronald Austria: implementing manipulative skills
00:56:23 Deirdre Murphy: more than one way to do things
00:56:23 Irena Kolosnitsyn: more vocabulary
00:56:26 W Tad Johnston: Still way too much I do, we do, you do, but maybe less
00:56:27 Ron Perry: flexibility with numbers
00:56:27 Mary Anne Opila: more modeling
00:56:30 Jocelyn Gabrinao: journal and reflection included
00:56:32 Shernette Bucknor: more critical thinking
00:56:33 Reginald Geans: student led
00:56:35 Nellie Alvarez: intervention
00:56:35 Claudia O'Keefe: we are your choir, preacher
00:56:36 Emily Kavanagh: more centered thinking
00:57:00 Ron Perry: constuctivist approach
00:57:06 Jacqueline Scott: allowing students to take responsibility for their learning
00:57:07 Cindy Bryant: PLease change your to: from all panelists to: all panelists and attendees
00:57:29 Diane Anderson: more centered thinking
00:57:51 SAPNA SHARMA: YES I DID
00:58:06 Barb Fukushima: using mistakes/misconceptions as teaching/learning points
00:58:22 Ron Perry: error analysis
00:58:30 Laura Tomas: Here's a thought - let's get the politicians and high-stakes testing and \$\$\$making companies OUT of education and let us TEACH! :)
00:58:54 Michael Brown: kind of?
00:58:57 Margie Coleman: The ision is right, implementation is difficult to get out to everyone
00:59:01 Emily Kavanagh: Somewhat
00:59:06 Rebecca Hill: yes! we're heading the right way.... just need to keep coaching/supporting MORE teachers
00:59:09 SAPNA SHARMA: THERE SHOULD BE SOME CHANGES.
00:59:12 Louis Cicero: Smaller class sizes
00:59:14 Cara Dote: Yes, it's the how
00:59:16 Shari Sklar: access to technology
00:59:17 Kelli Freiwald: it seems like every time we go in a certain direction something changes again
00:59:18 Rebecca Hill: instructional coaching
00:59:18 Laura Tomas: STOP TESING THE KIDS TO DEATH
00:59:19 Catherine VanNetta: More time to go deeper with topics in high school
00:59:21 SAPNA SHARMA: YES
00:59:23 Ron Perry: take the money involved in high stakes testing and

give it to schools for intervention

00:59:24 W Tad Johnston: Hard to tell, no control group - not much has changed since 1979 in many ways

00:59:24 Ashley Brehl: Less pressure of standardized testing

00:59:28 Steven Jarowski: Cross Curriculum work.

00:59:28 Margie Coleman: revamp high school curriculum!!!

00:59:28 SAPNA SHARMA: SMALLER CLASS SIZE

00:59:31 Katherine Stanford: Yes, it is appropriate, but we need to focus on retention of skills as we move through so quickly

00:59:34 Penina kamina: concerted effort on cultural relevant teaching

00:59:34 Claudia O'Keefe: administrators need to believe that math has value beyond calculation.

00:59:36 Lesly Brown: Are our students learning what they need to be competitive?

00:59:36 Michael Brown: end the rule of calculus

00:59:37 Rebecca Hill: more hands on learning

00:59:40 Rebecca Hill: EARLY INTERVENTION

00:59:41 Martisha Dunn: more support in the classroom

00:59:42 Paaruu Kwiatkowski: less focus on getting to calculus

00:59:43 Ashleigh Walton: Making the content relevant

00:59:43 Shari Sklar: move to portfolio assessment instead of standardized testing

00:59:43 Faith Hettesheimer: We need to be thinking about the technology side of it because who knows what the future will look like. And smaller class sizes

00:59:44 Amanda Mills: Making sure our high school students have a basic knowledge of finance (financial literacy)

00:59:45 Patricia Ishihara: Yes in trying to get more students to have access to the math...but no in trying to fit everyone into college mold

00:59:45 David Barnes: Grades, schools, and districts as units of change

00:59:46 Reginald Geans: allow time to teach to mastery, less tests

00:59:46 Latasha Little: Equality of resources, smaller class sizes, remove the politics

00:59:51 SAPNA SHARMA: DEEPENING BASIC KNOWLEDGE

00:59:54 Deniz Çakır: trainings for teachers

00:59:54 Aya Zvaigzne: Get rid of high stakes testing. Half my students can't speak english, but are willing and work at their math ! They can't read and understand the tests very well.

01:00:05 Jeanine Colwell: i agree, we have so much information to get through in a semester

01:00:06 Renee Parsley: Helping students to love mathematics!

01:00:07 Terri Davis: No sound again

01:00:08 Kendra Edwards: I think we need to be more focused on shifting teacher practice- Focus more on how we can achieve this vision.

01:00:11 KEISHA SMITH: Strong foundations in elementary and middle school

01:00:14 Paaruu Kwiatkowski: more focus on critical thinking and problem solving for real life

01:00:20 Diane Anderson: training for teachers

01:00:23 Ann Assad: More cross-curricular cooperation. Nakes better citizens

01:00:23 W Tad Johnston: I wish I could say that standardized tests and accountability did not cause people to look at all their students and not just their top students

01:00:23 Kelli Freiwald: sound problems?

01:00:23 Gail Saltveit: is she cutting out for anyone else?

01:00:28 Lorelei Phillips: yes

01:00:30 Reginald Geans: yes

01:00:30 Ashleigh Walton: The high school math content needs to be relevant for all students

01:00:30 Kelli Freiwald: yes

01:00:30 Kathleen Williams: yes

01:00:30 Jenn Brokofsky: yes.

01:00:30 Ron Perry: Concentrate on PREVENTION instead of INTERVENTION

01:00:31 Amy Glaser: In the current situation of the pandemic, equity is lacking with technology

01:00:33 Aya Zvaigzne: Yes, a bit of cutting out

01:00:33 Terri Davis: Gail, yes.

01:00:36 Emily Kavanagh: Yes

01:00:42 Skip Fennell: cutting out

01:00:52 Konnie Guthrie: Get rid of school's rating system based on test scores, which drives the stress of teaching to the test.

01:01:04 Renee Parsley: Changing society views about who can be successful or have interesting thoughts in math.

01:01:08 Shernette Bucknor: stronger foundation in kinder

01:01:25 Patricia Ishihara: Create a balance in the expectation of student success...not all high stakes, but balanced with other characteristics of success

01:01:41 Laura Tomas: YES

01:01:44 Jocelyn Gabrinao: yes

01:02:01 SAPNA SHARMA: 1. YES

01:02:07 Patricia Ishihara: Question 2 is so relevant!!

01:02:12 Martisha Dunn: yes

01:02:15 Rebecca Hill: explain thinking and justification...

01:02:36 Mary Anne Opila: as much as possible as often as possible

01:02:40 Terri Davis: Until standardized testing is eliminated, the necessary pacing limits how much time teachers feel they can devote to discourse and student-led discovery.

01:02:48 Margie Coleman: Please yes to number 4!!!

01:02:52 Michael Brown: why is important but what it is used for?

01:03:00 Terri McCarthy: Put the resources in early childhood classrooms so we don't have to remediate in the intermediate classrooms

01:03:06 Jan Back: I think we need more probability and statistics at the secondary level.

01:03:09 Penina kamina: About time for revamping HS curriculum

01:03:11 Latasha Little: Teachers have too much paperwork which takes away valuable time from one-to-one/ small group educational opportunities.

01:03:24 Patricia Ishihara: Love the ETP! :)

01:03:32 Jocelyn Gabrinao: 3. more emphasis on CPA approach in elem

01:03:35 Myeesha Jones: modeling is an issue of equity ...poor districts are not providing hands on manipulative to accompany learning

01:03:50 Konnie Guthrie: I hear we are going towards a data driven society, yet data and statistics is not rated as important in my grade level.

01:03:50 Laura Tomas: I am an Instructional Coach. Getting teachers to WANT to learn new things is the hard part if they aren't WILLING to learn.

01:03:52 Jenn Brokofsky: #4 is connected with our post secondary institutions as well. We need our colleges and universities to shift too.

01:03:53 Cate Stallmeyer-Gerard: Is this taught to preservice teachers???

01:03:55 Emily Kavanagh: Agree with all of these

01:04:00 Ramona Hall: Procedural fluency at young ages is so important.

01:04:14 Teresa Bulanda: yes!

01:04:16 W Tad Johnston: 1 yes; 2 keep asking interesting questions they care about, 3 depends on your definition, 4 don't I wish; a start would be slowing and deepening middle school and move some of that math up instead of having kids get lost because they did not learn it and use it with students with enough experience to see the importance

01:04:27 Patricia Ishihara: Teachers that don't feel confident in math have a very difficult time with these ETP

01:04:31 Joanmarie Kulinka: joan in high school have more realistic classes related to real world (how to balance a check book, how to figure out square footage to buy or rent a place to live)

01:05:01 Mary LoCurto: Focus on the basics in elementary so we in middle school don't have to reteach those basics. No student should come from elementary school saying they are not math people.

01:05:16 Enkelejda Limani: Modeling with Mathematics or Mathematical Modeling? Think about it...not the same thing.

01:05:18 Rebecca Hill: growth mindset from the beginning.

01:05:20 Laura Tomas: Mary - I try every day!!!

01:05:27 Cate Stallmeyer-Gerard: That would include growth mindset at elementary!!

01:05:38 Laura Tomas: Cate - I am trying!!!

01:05:40 Michael Brown: not a math person comes from parents

01:05:42 Kimberly Rimbey: Yes...absolutely critical!!!

01:05:45 Kimberly Rimbey: Not easy todo...

01:05:53 Cate Stallmeyer-Gerard: I'm in it with you at elementary.

01:05:54 W Tad Johnston: You learn by talking, not by listening

01:06:11 Kimberly Rimbey: @W Tad Johnston - yes!

01:06:14 Aya Zvaigzne: 2) flip grid and other audio-visual platforms, where students discuss developing strategies and their individual thinking for problem solving (problems that have context) Discourse for experience with interactive platforms like Desmos, PHET, and many others

01:06:14 Emily Kavanagh: Exactly

01:06:20 Louis Cicero: Horray

01:06:37 Laura Tomas: The online/distance learning is NOT learning! It's Crisis Management right now!!!

01:06:38 India Puch: Amen!!!

01:06:41 Christina Hall: That's not what my students are saying, they miss being taught and learning in a classroom setting!

01:06:42 Teresa Bulanda: distance learning will not replace face in face!

01:06:45 Kimberly Rimbey: @W Tad Johnston - or perhaps by listening, reflecting, talking, reflecting, listening, reflecting..

01:06:50 Rebecca Hill: preach
01:07:02 Caitlin Maggi: Yes my students just want to do google meet just to talk and have that social connection
01:07:06 Cate Stallmeyer-Gerard: Yes Laura, we are still in crisis "learning." Especially at elementary.
01:07:10 David Barnes: @Mary - its not what we teach but how we engage each and every student at each and every grade so they build their understanding through sense making SO they can access THEIR mathematics when they need it to use or to build on to learn even more math.
01:07:12 Laura Tomas: CATHY - YOU ARE MY HERO!!!
01:07:16 Stephenia Courtney: Absolutely...We need face-to-face contact!!!!!!
01:07:17 Kimberly Rimbey: Includes showing your thinking with diagrams and charts and graphs and other visuals
01:07:18 Enkelejda Limani: learning is a social activity - Piaget
01:07:37 Cindy Bryant: Relationships!
01:07:38 Kimberly Rimbey: Yep - so how can we create social contexts online? It's possible, but not easy...
01:07:43 Steven Jarowski: I hated Proofs when I was young but now it understand that process is SO important.
01:07:47 W Tad Johnston: @KIMR, of course, but I'd argue that saying and naming strengthens all the others
01:07:50 Joe Vignolini: love it. I also love the math modeling contest
01:08:09 Rebecca Hill: modeling student examples is important
01:08:18 Michael Brown: proofs yes. 2 column proofs notsomuch
01:08:19 Kimberly Rimbey: @W Tad Johnston - wish we could actually talk! I'll bet we'd land in exactly the same place. ;-)
01:08:24 mike murphy: I need new strats
01:08:33 Enkelejda Limani: T - chart proofs are an American invention.
01:08:50 W Tad Johnston: @ KIm R - hope not, I need to learn more than I know :-)
01:09:05 mike murphy: hated, now love proofs
01:09:10 Kimberly Rimbey: I just saw an incredible lesson using PearDeck where students went into brainstorm groups and then came back together to engage in a gallery walk. I'd never seen anything like it, and now I think I can do it!!!
01:09:21 W Tad Johnston: @KIm R - oops, you said land - that we might do
01:09:26 Joe Vignolini: the himcm and m3 contests are awesome.
01:09:28 Cindy Bryant: Love that idea Kimberly R
01:09:33 Kimberly Rimbey: @W Tad Johnston - now I really wish we could talk!
01:09:43 KEISHA SMITH: @Kim R share the Pear Deck activity
01:09:46 Martisha Dunn: I agree the computer does not take the place of a teacher.
01:09:57 W Tad Johnston: wjohnston@air.org
01:10:29 bonnie manzon: we can also focus on health - how can we build up our immunity through safe spaces, happy relationships and relevancy
01:10:39 Kimberly Rimbey: @ Maretisha Dunn - yep - I agree!
01:10:48 mike murphy: Computer does not. But... The Future of Mathematics Education: Using Artificial Intelligence to Provide Efficient Feedback was really

good. I look forward to Canvas adapting

01:10:49 Kimberly Rimbey: @W Tad Jonston - kimrimbey@gmail.com

01:10:56 Emily Kavanagh: Agreed

01:11:09 Kimberly Rimbey: @KEISHA SMITH - email me - kimrimbey@gmail.com

01:12:12 Martisha Dunn: teachers have problems with the levels of questions asked mathematically.

01:12:48 India Puch: Great ideas!! Thank you.

01:13:05 bonnie manzon: Are the young people going to solve the problems they inherited

01:13:15 KEISHA SMITH: YES @MARTISHA DUNN...THANKS KIMBERLY R...SORRY FOR CAPS...

01:13:23 Ellie Lewis: Exactly

01:13:29 Kimberly Rimbey: I believe that computers do not at all replace teachers. However, they are tools that we should embrace - especially the applications that allow us to do things we couldn't otherwise do otherwise. The SAMR model is really helpful!!!

01:13:39 Jeanine Colwell: i disagree, not all students want to go to college

01:13:41 Emily Kavanagh: I agree about Algebra II

01:13:42 Faith Peddie: The recording will be available tomorrow at www.nctm.org.100

01:13:52 Faith Peddie: www.nctm.org/100 that is

01:14:12 Joe Vignolini: I agree about alg ii, but also should reform what is done...

01:14:15 Michelle Webb: yes!!!!!!

01:14:22 Sreevelmurugan Vamadevan: I disagree with that

01:14:38 Deborah Parron: I agree

01:14:44 KEISHA SMITH: Math Reform is definitely needed1

01:14:46 Tina Hill: linear programming should be taught to all

01:14:48 Ashleigh Walton: that is a huge problem with student motivation...

01:14:57 Caitlin Maggi: I would love business math to be acceptable for all students where I teach

01:15:13 Jan Back: Do students still need to be taking a state test for Algebra II???

01:15:16 Joe Vignolini: we only cover functions in alg ii. use algebra form and function text

01:15:21 Stacy Milas: Yes!

01:15:24 W Tad Johnston: What about the kids who drop out because they haven't passed Algebra 1 (take a look at FL numbers)?

01:15:26 Deborah Parron: First of all we need to have teachers that motivate students

01:15:31 Steven Jarowski: financial planning/ math finance

01:15:41 Caitlin Maggi: Yes Steven

01:15:47 Mary LoCurto: if we would focus on basics in elementary, then expand to pre-algebra in middle school, more students would be ready for high school. sending students to high school who cant divide whole numbers sets us back years,

01:16:00 Margie Coleman: We need to get to a place where the ACT and the NCAA

are not roadblocks to these high school improvements

01:16:04 mike murphy: Stat?

01:16:04 Christina Hall: YES!! Financial Literacy is so important!

01:16:05 W Tad Johnston: Teachers whose students know their teachers care and want them to succeed.

01:16:06 David Barnes: @Ashleigh - Are we able to engage in engaging problems and change/transform their identity towards mathematics?

01:16:11 mike murphy: Reading data?

01:16:23 Rita Shamrock: wants and needs, no cc

01:16:29 Joe Vignolini: could we have discovery inquiry geometry as 1year, then advanced geo instead of alg ii?

01:16:33 Caitlin Maggi: Yes Margie

01:16:43 Emily Kavanagh: Absolutely

01:16:49 Joe Vignolini: I love it...

01:17:07 Karen Campe: Fantastic list so far...

01:17:35 David Barnes: There are pathways that start with statistics, data analysis, and geometry so all can start with the same learning - Catalyzing Change for HS Mathematics

01:17:41 Cindy Bryant: very true Tim Mott!

01:17:52 Terri Davis: I SO agree with practical statistics - too many adults don't even understand the numbers related to COVID!

01:17:55 Kimberly Rimbey: @David Barnes - thanks for bring that up!!!

01:18:02 Joe Vignolini: equity and social justice math would be great

01:18:08 Patricia Ishihara: Are there resources that have at least a good start at these types of math learning opportunities?

01:18:14 W Tad Johnston: Looks a lot like the list from Curriculum Stds 1989

01:18:55 Brittney Melnick: Trades

01:18:56 Amy Brunson: computer technology

01:19:03 Kelli Freiwald: most of the jobs they will have don't even exist yet

01:19:04 Louis Cicero: Video games!!!

01:19:04 Penina kamina: Cyber related

01:19:06 Chastity Brewster: engineering

01:19:07 Catherine VanNetta: biomedical research

01:19:08 Jeanetta Glass: programming

01:19:09 Margie Coleman: communication media - needs statistics

01:19:12 Mary Anne Opila: analyze statistics

01:19:14 Denise Walston: cyber security will

01:19:16 Amy Brunson: financial

01:19:18 Joanmarie Kulinka: from joan I have been say these things for years high school students need different math related real world

01:19:20 Sreevelmurugan Vamadevan: Actuarial science

01:19:24 Amy Glaser: Medical field

01:19:24 Rebecca Hill: engineering

01:19:27 Emily Kavanagh: Tech related

01:19:32 Terri Davis: Our elementary students will be solving problems that we don't even know about yet with technology and tools that haven't been invented yet.

01:19:33 Latasha Little: animation and gaming

01:19:33 Denise Walston: bio statistics

01:19:39 Shernette Bucknor: programming

01:19:40 Michael Brown: uh oops?
01:19:41 Kelli Freiwald: they dont
01:19:45 Amanda Mills: Not at all
01:19:45 Penina kamina: huh
01:19:45 mike murphy: Computer Science
01:19:46 Katherine Stanford: They don't really.
01:19:46 Emily Kavanagh: Could better prepare
01:19:50 Brittney Melnick: In Canada we do pretty good... very different
streams here
01:19:51 Ioana Boca: Those who will be able to work with big data need
the algebra II background
01:19:52 Gloria Carrasco: Some schools offer Career Technical Pathways
01:19:53 Denise Walston: programming
01:19:57 mike murphy: job shadowing
01:19:57 Margie Coleman: our current high school curriculum is geared toward
the ACT :(
01:20:03 Latasha Little: there is a huge disconnect!!!
01:20:05 Martisha Dunn: technology
01:20:09 Penina kamina: AP courses
01:20:11 Sreevelmurugan Vamadevan: It depends on the mind set
01:20:14 Paul Curtis: Need to be career oriented versus college oriented
01:20:16 ANALINE BAUTISTA: programin
01:20:17 Konnie Guthrie: If it is still true about having to remediate
students going to college students are not prepared.
01:20:18 Lisa Salles: How do we teach all of this when we are expected to
teach what's on a standardized test?
01:20:23 Patricia Ishihara: Trades - keeping the local environment able
to thrive when needed to be self-sustaining, like in our current situtation
01:20:28 mike murphy: State testing...
01:20:31 Terri Davis: Yes, Lisa!
01:20:31 Jeanetta Glass: Unfortunately, they prepare students for filling in
a bubble on a state test!
01:20:43 Dawn Mitchell: jobs that will arise as a result of the pandemic i.e
economic analysis, market research
01:20:44 Ron Perry: It needs to start at the ELEMENTARY LEVEL....We need
EQUITY with math intervention; for example in my building we have 9 reading
teachers and one math specialist for 650 kids! NUMERACY needs to be as important as
literacy!!!
01:20:44 W Tad Johnston: Or the perceived admissions requirements of many
universities
01:20:49 Ashleigh Walton: Our Career Tech courses prepare our kids for
real life...math class prepares them for tests
01:20:55 India Puch: this has been every informative, thank you!
01:21:01 Diane Anderson: programming
01:21:02 Karen Campe: High-stakes testing is the enemy of deep thinking
and learning.
01:21:04 Ellie Lewis: Exactly a lot of bubbles
01:21:25 Amy Brunson: Yes Ashliegh!
01:21:31 Renee Parsley: When we give students opportunities to make
connections and make sense of things on their own and persevere this is how they can

transfer thinking to the type of work they will find in life.

01:21:31 Terri Davis: Ron...same at my school!

01:21:55 Kelli Freiwald: we have 5 reading specialists and NO math!

01:21:58 Mark Phipps: To learn from the tradespeople that know the application of maths.

01:22:06 Faith Hettesheimer: We need more technical jobs - not everyone is on a path to go to college.

01:22:08 Jocelyn Gabrino: teach for the test of life not a life of test

01:22:12 Patricia Ishihara: I'm not sure that it's necessarily the high school course that is the only issue...it is how we message the mathematics to the students so that we don't lose their willingness to dive into the mathematics that is needed, even for the trade industry

01:22:38 Rebecca Hill: early intervention

01:22:44 Penina kamina: Equity and Hs curr

01:22:48 India Puch: productive struggle, students give up way to soon.

01:22:50 Terri Davis: Giving students agency and growth mindset

01:22:50 Patricia Ishihara: agree with early intervention

01:22:51 Margie Coleman: We have to get general consensus from college/university sources to support the changes in high school

01:22:54 Kelli Freiwald: numeracy needs to be as important as literacy

01:22:54 Kiera Bruce: Early intervention!!!!

01:22:57 Laura Tomas: In the immediate future - GREAT WAYS TO GET STUDENTS COLLABORATING ONLINE

01:22:59 Caitlin Maggi: change expectations

01:23:04 Michael Brown: reasoning

01:23:04 Ashley Brehl: Agree with early intervention!

01:23:07 Patricia Ishihara: "Mathematical literacy" focus preK-12

01:23:07 Medria Hall: equity

01:23:10 Terri McCarthy: early intervention!

01:23:11 Deirdre Murphy: Early elementary. Stop creating math fear

01:23:13 Aya Zvaigzne: equity/relevancy (especially for my undocumented ELL from many countries)

01:23:14 Rebecca Hill: growth mindset

01:23:14 Emily Kavanagh: Growth Mindsets absolutely

01:23:16 Mary Anne Opila: allow productive struggle

01:23:17 Renee Parsley: How do we get society to have a different attitude of what students are really capable of doing?

01:23:17 Shari Sklar: Getting more buy-in from early elem teachers - too many students come to me in middle school telling me they hate math and their prior teachers all hated math!

01:23:18 Portia Felder: accessibility to career related math

01:23:21 W Tad Johnston: Think of the student first and not the math

01:23:21 Christina Hall: Finding paths and interests to allow students to work towards that path.

01:23:22 Latasha Little: life application - give them opportunities to make critical decisions through mathematics

01:23:23 Stephenia Courtney: Equity and higher expectations!

01:23:27 Emily Kavanagh: Start students early

01:23:27 Barb Fukushima: equitable resources and support for primary grades

in math as ELA support

01:23:35 Rebecca Hill: parental involvement
01:23:36 Martisha Dunn: interventions in grades 2 and 3
01:23:36 Steven Jarowski: Bringing businesses into the classroom to help model real world (real business) problems *mathematically*
01:23:40 Carol Matsumoto: Thank you Cathy for all the food for thought.
01:23:41 Penina kamina: Inclusive curriculum
01:23:42 Diane Anderson: equity
01:23:42 Cecilia Lopez: SEL and growth mindset
01:23:44 Barb Fukushima: education paretns
01:23:45 Reginald Geans: Deeper thinking, for example show a picture of a yard, what's the area? Make the students ask the questions, don't just give out problems
01:23:48 Mark Phipps: Work away from grades in assessment
01:23:55 Christopher Kenny: How do we create complex and individualistic thinkers that can use math to analyze the world we live in?
01:23:55 Brittney Melnick: The idea of a school in the first place that it is part of a community... we're building a new high school in our community that will be part school (middle+high), hospital and elderly home
01:23:57 Ron Perry: PREVENTION not intervention! More math support at elementary levels.....NUMERACY is as important as literacy!!!
01:23:58 Amy Glaser: finding a balance between rich instruction and meeting local and state mandates
01:23:59 Bryan Buckingham: socially accepted math
01:24:00 Ashleigh Walton: problem solving versus algorithm memorization
01:24:02 Christina Tully: Integrate problem-based learning
01:24:02 Konnie Guthrie: Educate parents about what their children need to be able to do. They need more than math tricks and doing an algorithm without understanding.
01:24:03 Lisa Salles: It is still the same.as 50 years ago.. our world needs and always will need problem solvers!
01:24:08 Teresa Bulanda: still think middle school instruction and curriculum are very important to keep students motivated and interested in high school,
01:24:08 Jacqueline Scott: Allow the students to share in the goals that are set.
01:24:08 Gabby Trojanowski: How do we change curriculum to decrease the emphasis on "calc prep" courses, while also keeping in mind the fact that students don't necessarily know what they're going to do at age 17?
01:24:09 Portia Felder: cultural relevance
01:24:12 Lyn Pizzano: More teacher input
01:24:14 W Tad Johnston: Letting go of the past - if how we learned is our standard, then our past is our future
01:24:17 ANALINE BAUTISTA: Can we connect with corporations as to their projections about jobs in the future so we can have graduates that will answer to their needs?
01:24:27 mike murphy: more data analysis
01:24:39 Catherine VanNetta: More examples (videos/vignettes) of teachers implementing the effective teaching practices

01:24:50 Emily Kavanagh: Yes and Yes

01:25:01 Catherine VanNetta: Particularly with students of color

01:25:14 India Puch: what to do with students who are 2 grade behind

01:25:26 Mark Phipps: Same courses! Yes, shoot me.

01:25:46 Amy Glaser: teacher preparation courses need to reflect these practices

01:25:53 Myeesha Jones: 3act tasks should become the norm for math curricula all over beginning in elementary

01:25:54 Lisa Salles: Agreed Catherine!

01:25:54 Terri Davis: YES

01:25:57 India Puch: Yes

01:26:04 Ana Guerrero: Totally agree

01:26:04 Martisha Dunn: yes,yes

01:26:06 Penelope Thompson: Amen!!!

01:26:08 Teresa Bulanda: focus on middle school students,keep them motivated and interested....

01:26:08 W Tad Johnston: Fewer students are dropping out now - grad rates have improved

01:26:09 Enkelejda Limani: better training....Finland should be the model.

01:26:11 Annette Gushue: yes out state testing was canceled

01:26:13 Melissa Campbell: Leaving for another meeting. Thanks so much for another great session , Ms. Seeley!

01:26:13 India Puch: Yes!!!!

01:26:18 Christina Hall: Yes!!!

01:26:20 Terri Davis: Assessment is not equal to testing

01:26:25 Deborah Parron: Some districts force teachers to teach to the test

01:26:29 Shari Sklar: re-introduce shop and home ec which both provide wonderful opportunities for students to put math into practice.

01:26:30 Jeanetta Glass: yes Catherine!

01:26:39 Diane Anderson: yes

01:26:41 Patricia Ishihara: High Five!!

01:26:48 Nadia Messadi: not when they give merit pay based on tests scores

01:26:49 Ashley Brehl: We need hands on!

01:26:49 Annette Gushue: well said too much online

01:26:54 Christina Hall: I know a lot of college students are not enjoying online learning, it is not for everyone.

01:27:08 W Tad Johnston: We need to make sure that they are getting something good in the school building

01:27:08 Sarah Holton: India I agree

01:27:16 Martisha Dunn: teachers and students are overwhelmed with testing

01:27:31 Deborah Parron: No because money is more important than students education

01:27:32 Konnie Guthrie: Most students need a structure. Technology is a tool. It can never replace a good teacher. For too many of my students, their parents view school as a babyitter.

01:27:41 Teresa Bulanda: DL it is not working, we are turning students off...

01:27:42 Emily Kavanagh: I agree

01:27:44 Enkelejda Limani: Test less often.

01:28:04 Ramona Hall: Parents are getting turned off by DL also

01:28:06 Mary LoCurto: testing takes too much time out of my year that would be better used teaching and learning.

01:28:27 Latasha Little: No! My diverse learning students are struggling. They don't have the needed manipulatives and resources that were available at school. The parents are frustrated.

01:28:40 Teresa Bulanda: people who putting the resources out there need to listen to experienced teachers..

01:28:55 Terri Davis: One day maybe teachers can choose from a range of technology options and use what best suits their teaching style, instead of a limited range that the "school system" decides on.

01:29:13 Gail Saltveit: thank you!

01:29:14 Patricia Ishihara: I like the differentiation for teachers, Terri!

01:29:27 Annette Gushue: agrre terri

01:30:12 Catherine VanNetta: Teachers need more time to think in order to implement the ETP.

01:30:22 Patricia Ishihara: Our challenge is that many of our teachers did not learn math this way. If we can give these experience to our students today, we'll grow great teachers!

01:30:34 mike murphy: lifelong learner

01:30:55 Sreevelmurugan Vamadevan: Very nice presentation

01:30:58 Enkelejda Limani: Nothing will change because the powers that control this country do not want an educated population...educated people question authority. Our students are being brainwashed by Instagram...hellooo Kim Kardashian has more than 140 million followers.

01:30:59 India Puch: Awesomely stated

01:31:03 mike murphy: so true!

01:31:07 Carly Jardinier: Thank you, Cathy!

01:31:14 Emily Kavanagh: Great presentation

01:31:20 Patricia Ishihara: Thank you!

01:31:22 C Rob ertson: Thank you!

01:31:27 Catherine Anderson: Thank you.

01:31:27 Monica Roland: Thank you!

01:31:29 Emily Barbee: Thanks!

01:31:29 Terri Davis: Thank you, Cathy! And thanks to all the participants - I have really enjoyed the discussion and thoughtful comments!

01:31:29 Kendra Edwards: Thank you!!

01:31:32 Deniz Çakır: thank you

01:31:33 Christina Hall: Thank you for this, great an wonderful conversation and conversations to be had!

01:31:34 India Puch: Yes, great presentation!

01:31:35 Nadia Messadi: Thank you!

01:31:35 Ronald Austria: Thank you from NC!

01:31:37 Menchie Besa: Thank you!

01:31:38 Rebecca Hill: just one teacher change can make a difference....

01:31:39 Danielle Bentley: Thank you for your time and your talents! Have a great evening!

01:31:45 Jocelyn Gabrinao: Thank You!

01:31:48 Stacy Milas: Thank you!!!

01:31:52 Mary Anne Opila: Thank you!

01:31:54 Sarah Holton: Thanks

01:32:02 Jennifer Sanchez: THANK YOU 🌸

01:32:03 Penelope Thompson: Thank you!!!

01:32:06 Daniel Irving: Thank you for this incredible presentation!!

01:32:08 Pamela Liegl: Thanks for another great presentation.

01:32:10 Beth Kobett: Thank you so much, Cathy!

01:32:13 Archita Vaghasiya: Thank you!!

01:32:22 Louis Cicero: Great job. Thank you

01:32:22 Trena Wilerson: Thank you for your thought provoking insights! We have a bright future as we work together for the future in mathematics!

01:32:22 Joe Vignolini: math modeling. look at himcm.com and the m3 challenge

01:32:22 Reginald Geans: Great presentation!

01:32:35 Esther Winikoff: Thank you!

01:32:38 Adriene Marshall: Thanks for the presentation.

01:32:41 Leighann Feola: Teachers need to stop spending time teaching to the state test and start teaching to what the student's needs and can be creative and provide critical thinking for all.

01:32:49 Monica Weese: Great presentation as always.

01:32:50 paloma carrera: thank you

01:32:52 Konnie Guthrie: I am encouraged and also challenged. I know what I want to do. I have trouble getting my students there. Still looking for good low floor high ceiling. They may forget what I teach them, but if I teach them to think they will succeed.

01:32:57 Diane Anderson: thank you for a great presentation

01:33:05 Shernette Bucknor: Wonderful presentation. Thank you

01:33:10 Martisha Dunn: thank you

01:33:11 KEISHA SMITH: Thanks for the presentation. It has facilitated a lot of networking.

01:33:23 Konnie Guthrie: Thank you Cathy Seeley.

01:33:25 Paul Curtis: Super presentation! Thank you!

01:33:26 Denise Walston: encouraged and challenged

01:33:27 Adriene Marshall: John, that link was incorrect

01:33:29 Michelle Barrera: thank you for this awesome presentation

01:33:43 Lorie Huff: Thank you, Cathy, for helping us think about planning for the future. Thank you Cindy, Dave, Chonda, and Faith.

01:33:53 Stephenia Courtney: Thank you for making me use my brain today! GREAT Webinar.. TY, TY, TY!

01:33:53 Gabby Trojanowski: Thank you so much!

01:34:05 David Barnes: Thanks Lorie!

01:34:11 Kimberly Rimbey: I don't think we have anything to worry about - the vast majority of our population wants to return to brick-and-mortar schooling. My question is this: what tools can we embed into our F2F learning moving forward. There are some a-m-a-z-i-n-g apps out there, and my teaching will be changed forever. And I can't WAIT to get back to the buildings!!!

01:34:17 JARHONDALYNN Cameron: We now will have to find out how do ALL of the students get to school with the New Social Distancing that we will be starting the school year.

01:34:35 Patricia Ishihara: Are you aware of a strong program that systematically helps develop our teachers to reflect and implement Effective

Teaching Practices?

01:34:44 Kathleen Morris: Thank you so much, Cathy! Outstanding presentation! I've been in the field for over 40 years and have a vivid memory of all the stages, publications, evolutions, etc. you discussed. I will be encouraging all my elementary math teachers and teacher leaders to watch and reflect with me on the recording of this webinar. Stay well!!

01:34:49 JARHONDALYNN Cameron: ABSOLUTELY! The college years of learning is what is going into the workplace.

01:35:04 Lisa Salles: Patricia, if you get an answer email me please... lisamariesalles@gmail.com

01:35:05 Jennifer Ruschhaupt: Robert Kaplinsky has some great resources for math modeling. <https://robertkaplinsky.com/tag/mathematical-modeling/>

01:35:10 Teresa Bulanda: are we happy with elementary mathematics taught by non-specialist?

01:35:13 Rebecca Hill: Thank you so much!

01:35:33 W Tad Johnston: Have to stop limiting the colleges to only be the top tier universities

01:35:38 JARHONDALYNN Cameron: We NEED a Personal Financial Literacy Class for ALL students in America. I have a plan and a Very strong partner to ensure we get ther by 2030

01:35:45 SAPNA SHARMA: THANK YOU FOR SUCH A GOOD SESSION

01:36:05 DawnMarie Gaghan: Thank you

01:36:06 Jennifer Ruschhaupt: Thank you Cathy! Leander ISD loves you :-)

01:36:14 Ashley Brehl: Thank you!!

01:36:29 Emily Kavanagh: Love the license plate

01:36:32 Ana Guerrero: Thank you!

01:36:40 Katherine Dominick: Thank you!

01:36:42 Shari Sklar: Math is the only subject that counts!!!

01:36:45 Emily Kavanagh: Thanks so much

01:36:49 Barb Fukushima: Thank You

01:36:51 Linda Fulmore: Beautiful way to end, love those pictures.

01:37:07 Aya Zvaigzne: Thank you for inspiring us to think about all these most critical and essential things. We want our students to have the ability to think since our future will have some interesting and challenging problems.

01:37:18 Faith Hettesheimer: Thank you!!

01:37:23 Stacy Milas: Thank

01:37:24 Aya Zvaigzne: It is up to us, to get them there.

01:37:27 India Puch: Where do we get the worksheet?

01:37:30 Kathleen Williams: Thank you Cathy - you always challenge my thinking!

01:37:31 Olga Kosheleva: Thank you.

01:37:36 Kiera Bruce: thank you!!!

01:37:42 Christy Plummer: Thank you for the guidance and inspiration

01:37:43 Angelica Johnson: Thank you!

01:37:49 Portia Felder: Thank you for thought provoking issues

01:37:49 Holiday George: Great presentation!!

01:37:59 Deanna Rigdon: thank you

01:38:00 Latasha Little: Thanks!

01:38:02 Melissa Ake: Thank you!

01:38:07 Laura Tomas: Thank you!!!

01:38:08 Sreevelmurugan Vamadevan: This session is challenging me like anything. But Thank Cathy

01:38:10 Margie Coleman: Thank you so much! Cathy Seeley is my spirit animal!!

01:38:10 Christopher Kenny: Amazing as always, thank you!

01:38:12 mike murphy: Great job

01:38:13 Ana Alcaraz: Thank you!

01:38:14 C Rob ertson: You are appreciated! Thank you!

01:38:15 Rita Shamrock: Thank you

01:38:16 Portia Felder: lol technology issues - I understand

01:38:16 Teresa Bulanda: thank you!stay healthy!

01:38:17 Denise Walston: Thanks Cathy

01:38:18 Lyn Pizzano: Thank you! Great presentation

01:38:18 Jet Yeung: Thank you. Great presentation

01:38:22 Maria Padiernos: Gracias from Southwest Detroit!

01:38:34 Carmen Luna-Robledo: Great message, thanks!

01:38:41 Joan Silvestrini: Gracias from ATL

01:38:47 Beverly Krumpe: Thank you for the interesting information

01:38:48 Kristine Butz: Thankyou

01:38:56 mike murphy: The Practice of Statistics: YES, We Can Do It at School! (Grades 3-5)

01:39:02 Nicole Burgess: Thank you! You get what it is like to be a math teacher!

01:39:03 Janice Holland: thank you so much for this marvelous presentation

01:39:30 Shernette Bucknor: Could the link be send to us for that webinar

01:40:06 Cara Dote: Thank you!

01:40:34 David Barnes: Thanks Amy!

01:40:42 Medria Hall: Thank you!

01:40:51 Denise Trakas: thank you!

01:40:54 Wilma Fulgencio: Thank you

01:41:06 Leighann Feola: from leighann..thanks and hapy birthay

01:41:10 Paul Curtis: Happy Birthday!!!

01:41:11 Noe Eugenio: Thank you Cathy for that great presentation and thank you NCTM also!

01:41:13 Stacy Milas: Thank you all!

01:41:23 DeShonda Thigpen: thank you

01:41:32 ELLA CABRERA: THANK You

01:41:34 Mary Ferris: Thank you!

01:41:48 C Rob ertson: Yes! Whoop, whoop!