Trena Wilkerson: Hello from Waco, TX!
Cindy Bryant: Greetings from Springfield, MO
David Barnes: Hi from Leesburg, VA!
Liz Morris: Hello from Phoenix Arizona
Nyla Moore-McCreary: Hello from Tacoma, WA
Patrick Anderson: council bluffs, iowa
Ca-Lishea Woods: Howdy from Houston
Bonnie Angel: Hello from north Georgia.
Lisa Kowalski: Hi from St Louis
Regina Williams: Hello from Miami, Florida
Shauna Brown: hello from Brooklyn, NY
Michael Brown: Hi from Cumberland, RI
Jaclyn Murray: Hi from Cumming, GA
Heather Todd: Hello from Oxford, MS!
Nicolette Nalu: Hello from k-5 math specialist and AMTEA president in BAMA!!
Gunnar Guttormsen: Hello from Kelso, WA
Darlene Roebuck: San Antonio, Texas
Michael Lanstrum: Welcome from Cleveland, OH
Teresa Bulanda: Hi from Connecticut
Diane Anderson: Hi from Massachusetts
Patti Parsons: Hello from Alabama!
Rebecca Wagner: Hi from Sacramento, CA
Cecilia Arias: Greetings from NJ!
Deanna Richardson: Hello From South Dakota
Christina Slow Young: Hi from Monrovia, CA
371640: Lynn from Florida
Kimberly Brown: greeting from Fort Smith AR
Christy Woody: hello from Danville, VA
Candice Smith: Hello from Statesville, NC
Pam Cadena: Hi from Redondo Beach, CA!
Terri McCarthy: Hi from Danbury, CT
Lisa Lambuth: Hi from La Mirada, CA
Kathy Felt: Hi from western IL; 8th grade math and Algebra 1
Aya Zvaigzne: Nashville, TN
Kelli Mumma: hi! from waynesville, oh
Merial Levy: Merial Levy, Inglewood USD
Rebecca Ronk: Hello from New Paltz, NY
Jamie Cook: hello from Mesa, AZ
Michael Fierle: Hello from Pittsburgh, PA
Olga Kosheleva: Hello from El Paso, TX
Ben Newman: Hi from Beijing, China via Melbourne Australia
Vanessa Stokes: Chicago Area :) 
Aileen Urbiztondo: Hello, from Bowie, MD
Charleta White-Fletcher: Hello From Rocky Mount NC
Rosalyn Smith: Hello from Red Springs, NC
CHONA LLANTERO: Hello from Philippines
Jen Loescher: Hi from North Las Vegas, NV
penny waddingham: Hello from Iowa
Tanya Landry: Greetings from Baton Rouge, LA
Shiv Gaur: Hi from Astana, Kazakhstan
Brandi Ledbetter: Hello from St. George, Utah
Amie Szabo: Hi from Carlisle, PA
Sharon Black-MacKinnon: Good evening from New Brunswick Canada
Paula Wardell: Hello from Detroit!
roya basu: Hi from NJ
Ana Alcaraz: Hi from Atlanta
Michelle Greene: Hi everybody from Darlington, SC
Sandra Corbacioglu: Hello from northeast Ohio.
Maria Salazar: Hello from Los Angeles California
PATRICK GUERRA: Mabuhay from Philippines
Nely Ara-is: Hello from Norfolk VA
Catherine Bronkowski: Hello from Milwaukee, WI
Katelyn Devine: Hey from Richmond, VA
Al Prewett: Milan New Mexico
Rachel Sawyers: Hello from California, PA
Jessica Brtva: Hello from Palatine IL (near Chicago)
Stephanie Branson: Hello from Pulaski, VA!
Lora Deiter: Hello from Dickson, TN
Kevin Richmeier: From Angier, NC
Petra Shafer: Wichita, KS checking in
Noe Eugenio: Hello from the Philippines!
Sreevelmurugan Vamadevan: Sreevelmurugan from Miami Az
Leslie Texas: Hi from Louisville, KY
Jill Johnson: Wake Forest, NC
Pam Cadena: @Amie--I went to Dickinson College!
Brad Mauro: Happy Thursday from Fuquay Varina NC
Ebony Baker: Hi from Chesterfield, Va
Thomasenia Adams: Hi from Gainesville, FL
Michelle Webb: Nashville TN
ALICIA PARUGINOG: Hello, from the Philippines
Emerson Roman: Hola! Emerson from Mexico City. 3 days in a row of Webinars. Yeeeee!!!
Denise Griffith: Hello from Wilmington, DE!
Rolando II Delos Reyes: Good morning from Manila Philippines! 😊PH
Laurie Barker: Hi from Junction, Texas
Abdul Razak Othman: Abdul Razak from Malaysia
Ramona Hall: Charlotte, NC!
Shelby Newell: Hello from Maine
Laura Goss: Hi from Tulsa, Oklahoma
Lawanda Mahomes: Hi everyone! Chicago, Illinois
Denise Parker: Hey everyone, I'm a 3rd grade teacher from Lumberton NC
Imelda Garcia: Hi from Maryland
Crystal Adams: Mansfield tcc
Stephenia Courtney: Hello from Las Vegas, NV
C Robertson: Hello from Reno
Ann Wycoff Bagshaw: Fort Carson, Colorado!
Margie Acabal: Hello from Philippines
Jeanine Colwell: hello from Newport, Nc
Jennifer McMillen: Hi! I am from Fort Worth, TX.
Veronica Kwok: Queens, NYC
Bruce Graham: Durham NC!
Laurie Kurzen: Emporia KS
Julie Benotti: Hello from Plymouth, MA
LaDonna Allison: Hello from North Carolina
Latasha Little: Chicago, IL
Kristyn Cabler: Hello from (a very wet and rainy) Virginia!
Mary Dugas: Hi! Lafayette, LA
Bernita Johnson: Portsmouth, VA
Juaacklyn Cunningham: KY
Heidi Hague: Hoquiam, WA'
Caryn Albrecht: Chico California
Sara Vaughn: Sara here from Greensboro NC @vaughn_trapped
ELLA CABRERA: Hello From Batangas, Philippines
Jennie Brown: Hi from Montgomery, AL
Nonye Obiora: Hi everyone, from Boston Ma.
Aaron Resendez: Mansfield, TX
Leslie Sorace: Hi from AZ
Yin-Tzu Huang: LA, California
Hsiao-Ting Chiou: Hello from California
Elizabeth Sasse: Greeley, CO
Karla Gutierrez-Whitmire: Hello from Phoenix, Arizona
Youjin Kim: hello from NY, NY
Ana Guererro: Ana from IL
Lynn Lafferty: Hello from Erie, PA
Kennisha Williams: Howdy! lol Houston,Tx
Kathleen Williams: Hi from Naperville IL!
Lance Brauchla: Hi from IN
Faith Lowery: Randolph County, NC
DAWN MEZIERE: Hello from Chicago
Allison Miller: Hi from West Virginia!
Karen Notestine: Hello from NC
Joyce Meier: Hello from Illinois!
Shelly Jones: Greetings from connecticut! From Shelly Jones
Ximena Sloane: Hello from Round Rock, TX
Missy Silva: Hi from Nashville, Tn
Tracey Sweeney: Hi from Arizona!
Kathy Villarreal: Hello from San Jacinto California
Maranda Jones: Hello from Colorado!
Chad Hale: Hello from New Carlisle Ohio
Konnie Guthrie: Las Vegas
Wanda Parker: Hi from Nathalie, VA
Angelita Beltran: Hello from Waukegan IL
Lucinda Lawson: Pine Bluff Arkansas
Joy Kogut: Hi from a Boston Public School teacher currently in central VT
Ashlie Griggs: Hello from Richmond, KY
Pamela Liegl: Hi from
Jasmine Mills: Oxon Hill, MD
cynthia klein: Hello from Mansfield TX
Leslie Krefta: Hello from Pennsylvania!
Bryan Buckingham: NC
Kelli Freiwald: hello from PA
rachel wingo: Hi from Providence KY
Nicholle Fiore: Hello from Dayton Ohio
Reena Nancy Stephen Benjamin: from Malaysia
MONICA TIENDA: Hi from Detroit!!
Dave Hankin: Hello again from Globe, Arizona
Justin Klinger: Hello from 60446
Laura Cranmer: Hello from Colorado
Joy Hatch: Hi, I'm Joy Hatch from San Diego
Mohamed Jamaludeen Thirapusa Mohaideen: Hi everyone, This is Mohamed, CT.
Patrick Montague: Hello From Weslaco, Tx
Laurie James: Aloha Dewey from Laurie on Oahu
DawnMarie Gaghan: Hello from Long Island
Brad Mauro: Aloha
Wendy Kraft: Hi from Silverdale, WA
Marya Hughes: Hello from Long Beach, CA
Steven Jarowski: hi from Charles Town WV
Pamela Liegl: Hi from Pamela in Streator, IL
Tamara Purry: Hello, from Mableton GA!
Rosalyn Bantay: from Philippines
Ginette Peralta Suarez: Hello from Haslet, TX
Claire Dent: Macon GA
Matthew Roberts: Matt From Phx AZ
Grace Mary Mannion: Howdy from Mansfield Texas!
mike murphy: Hawaii!
Carole Bamford: Hi from Montreal, Quebec
ANALINE BAUTISTA: hello from Philippines
Lucinda Smith: hi from Battle Ground WA
Yvette Fujimoto: hello from Washington
Emma Pinkett: Hello from Cambridge, MD.
Chad Hale: aloha
Bina Kachwalla: Hi From NZ
Mary Hamilton: howdy from dc
Noreen Shattuck: NH
Milagros Smith: Hello from OCALA, FL
DeAnn Huinker: Hi, joining from Milwaukee!
Ashleigh Walton: hi from nc
Maryn Foote: Aloha! from Long Beach, CA
tracey simmons: Hello from Queens, NY
Lorie Huff: Hello from Fayetteville, Arkansas
Marsha Poh: Hello from sunny SoCal
Jeanne Simpson: Good evening from Decatur, Alabama!
Phyllis Creech: Hello, Phyllis from Georgia
Tim Bobay: Greetings from Raleigh, NC
Tyra Ray: Hey from NC!
Melissa Rivera: Hello from Florida
Christina Hall: Hello from Yuma, AZ
Paulina Uresti: Hello from Yuma, AZ
Toni Galassini: Hi from Chicago!
Leticia Chapa: Hello from San Antonio, Texas :)
catherine fox: Hey more from NC
Terri Davis: Hi from Richmond VA!
Anne Agostinelli: Hello from Chicago!
MARIFE DIMAUNAHAN: Hi from Indonesia
Louise Phillips: Hello from Thomasville, GA
Niniek Budhiastuti: Hello from Indonesia
Michelle Green: Hello from Southern California
Stacy Milas: Hey from NY!!
Torissa Becksvoort: hi from Indianapolis
Tessie Menta: Good afternoon! From Stockton, California :)
Jacqueline Luplow: Houston, Texas says hello!
Susie Loh: Hi from Southern Cal
Alison Walker: Hello Alison Walker Darien, Georgia
Linda Miller: Greetings from Denver!
Teresa Barut: Hello from Western Massachusetts 😍
Crystal buegeler: hi all from las vegas
Dionissios Gressiss: Hi from Surabaya Indonesia
Deborah Tytler: Battle Ground, WA
Dionissios Gressiss: its 6am here
Jan Back: Hello, Jan Back from Hampton, Tennessee
Joanne Wilson: Hi from Chi-Town
Beth Roark: HI from Cincinnati, OH
Menchie Besa: Hello from Jacksonville, FL
Melissa Campbell: hello from Fort Payne, Alabama
Rebecca Gonzalez-Kreisberg: Hi from Western Massachusetts!
Eva Gomez: Hello from Phoenix, Az
Maria Padiernos: From Hello from Ruby in the big D - Detroit, MI
Lindsay Campbell: Hello from Dartmouth, Nova Scotia
Daniel Irving: Hello from North Providence, RI!
Faith Peddie: Hi from Reston, VA!
Jolene Peterson: hello from Kansas!
Nicolette Nalu: Melissa, what took so long. :) Hello my friend!!
Lisa Salles: hi from Slidell, LA
Barbara Lambert: Good evening from Columbus, Georgia
Paaru Kwiatkowski: Hello from Southern California!
Easter Taylor: Hey from Rocky Mount, NC!
Jet Yeung: Hello Everyone-Jet from Henderson, Nevada
Dionissios Gressiss: :-)
Ann Adkins: Hello from Omaha, Nebraska!
Cecilia Arias: thanks, Chonda!
Kim Ellis: Hi from Winter Park FL
Kendra Cole: Hi, Kendra, from Atlanta GA
Cynthia Brunk: Hello from Virginia! :)
Tracey Sweeney: American Fork has a great band! I saw them several years ago.
Wendy Clark: Hello all ... Wendy from Ontario Oregon
Michelle Funai: Aloha from Honolulu, HI!
Doris Lipari: Hi from PA
Mike Murphy: yes
Elaine Boyer: Hi from Denver, CO
Sara Vaughn: yes
Kate Reardon: yes
Ana Alcaraz: yes
Suzanne Smith: Suzanne Smith, Mississippi
Maryn Foote: yes
Emerson Roman: Yes
Wanda Parker: its good
Leslie Krefta: yes
Tamara Purry: yes
SAPNA SHARMA: GOOD AFTERNOON
Kate Reardon: Hello from PA
Sharon Black-McKinnon: yes
Ann Cola: Hi from NYC
Vanessa Whitehead: HI FROM NORTH CAOLINA
Angela Plaunt: hello from Sault Ste Marie Ontario
George Reese: Hello from Urbana, IL
Natalie Troade: Hello from Natalie Troade, Washington, DC
Arnold John Bulanadi: Hello. Arnold from Jacksonville, FL
Joleigh Honey: Hello! Joleigh Honey, Salt Lake, UT
Penny Waddingham: 5
Pamela Stark: Hello from Massachusetts!
Paaru Kwiatkowski: 5
Cecilia Arias: Was that really 6 years ago?!
Cecilia Arias: OMG
Dianne Mayberry: Does someone have a radio on? There is a lot of background noise?
Ramona Hall: These were big at our school several years ago and then quickly went away!
Sara Vaughn: How many are here now?
Faith Peddie: Melissa, do you have a specific question?
Ben Newman: These practices are only released in the US, are they? .. if you aren't from or aren't working in the US, you may not necessarily know them..
Myra Collins: Hello from Greentop, MO. Having internet connection issues.
George Reese: Well, the common core was free. We had to purchase Principles to Action.
00:28:00  Denise Smith:  @Ben I believe that is correct in Canada we call them Mathematical Processes
00:28:19  Maryn Foote:  Language arts gets more attention
00:28:23  Ben Newman:  @Denise .. thanks
00:28:27  Carly Jardinier:  Hello from MD, USA :)
00:28:32  Joanmarie Kulinka:  from Joan Kulinka virginia beach VA
00:28:35  Msrtk Vasicek:  yes
00:28:40  Chonda Long:
00:28:40  Dave Hankin:  Got it!
00:28:43  Sharon Black-MacKinnon:  yes
00:28:46  Jolene Peterson:  I love this grid!
00:28:48  David Barnes:
00:28:57  Chance Nalley:  Chance Nalley, NYC
00:28:57  Sara Vaughn:
00:28:57  Tessie Menta:  Thank you Chonda
00:30:33  Joleigh Honey:  Dewey-- love that this was your next meeting! Great seeing you here
00:31:39  Myra Collins:  Dewey and Joleigh Honey.  Hello!  I miss seeing you both.  It's going to be a long time until October Joleigh.  I hope you and your families are both well.
00:31:41  Jeanine Colwell:  I love this chart, really breaks things down
00:32:07  Rachel White:  I like looking it from two different perspectives.
00:32:10  Dionissios Gressis:  random;y
00:32:10  Sandhya Raman:  I love this chart. Such a reflective tool
00:32:28  Jorge Veloso:  Interesting chart!
00:32:33  Latifa Parker:  Student Practices
00:32:41  Aya Zvaigzne:  8 by 8 matrix
00:32:48  Joleigh Honey:  Myra!! Woohoo... glad we are here #ASSM represent!
00:32:51  Carol Matsumoto:  @Dewey Just left an NCTM MARC Leadership Conference Google Meet.
00:32:52  Joleigh Honey:  I am loving this chart and looking forward to the discussion in our small groups.
00:33:17  Chonda Long:
00:33:17  David Barnes:
00:33:21  Julie McNamara:  I can’t wait to use this chart with my preservice teachers this summer!
00:33:34 Myra Collins: You saw me@ I love the chart. I may use this with a group I've been working with. It would be great discussion at SCASS.
00:33:44 Sharon Black-MacKinnon: make sense of problems and persevere in solving them, construct viable arguments and critique the reasoning of others, look for and make use of structure
00:33:48 Mohamed Jamaludeen Thirapusa Mohaideen: I love it!
00:34:21 Katherine McLemore: Teaching practice: facilitate meaningful mathematical discourse, illicit mad use evidence of student thinking, implement tasks that promote reasoning and problem solving
00:34:26 Sally Meyer: SMP...#1, 2, 4
00:34:53 Ramona Hall: Implement tasks that promote reasoning and problem solving/ pose purposeful questions; support productive struggle in learning mathematics
00:35:04 Teresa Barut: This chart is really great
00:35:08 Joleigh Honey: @katherine love "mad use of evidence of student thinking"
00:35:11 Dionissios Gressis: Students
Make sense of problems
Reason Abstractly and Quantitatively
Look for and make sense of structure

00:35:15 Bina Kachwalla: SMP: 1, 3,
00:35:17 Cecilia Arias: SMP 1, 3, 4
00:35:21 Leslie Krefta: 2, 6, & 7
00:35:26 ANALINE BAUTISTA: model mathematics
00:35:27 Cecilia Arias: ETP: 3, 7, 8
00:35:28 Chad Hale: nice chart
00:35:31 Msrkt Vasicek: smp 1,3,4.
00:35:38 Rachel White: SMP 1,2 3
00:35:41 Dave Hankin: Student 1,3,5
00:35:44 Julie McNamara: SMP 1, 3, 7
00:35:47 Cheryl Lowery: excellent chart
00:35:59 Gloria Flores: Teaching Practice: Facilitate meaningful mathematical discourse, implement tasks that promote reasoning and problem solving, support productive struggle in learning mathematics
00:36:03 Teresa Barut: Make sense of problems/persevere, Model with math, Use appropriate tools/strategies
00:36:03 Marya Hughes: SMP 1, 3, 7
00:36:04 María Salazar: EFT-2, 4 and 8
00:36:06 Chris Schorsten: ETP 3, 7, 8
00:36:06 Bina Kachwalla: ETP: 1, 2, 8
00:36:07 Jolene Peterson: ETP 1, 2, 6
00:36:08 Sue Han: SMP 1, 4, 7
00:36:08 Melissa Rivera: Imp tasks: make sense of problem, model with mathematics,
00:36:09 Ann Maas: ETP # 2, 4, 6
00:36:10 Stephanie Byrd: ETP: 2, 4, 5
00:36:11 Edna Rioveros: Effective Teaching Practices 2,4 and 7
00:36:12 Diane Anderson: 1,3,7
Dionissios Gressis: Teachers
Implement tasks that promote reasoning
Support productive struggle
Establish goals

Dave Hankin: SMP 1,3,5
Terri McCarthy: Implement task that promotes reasoning and problem solving seems to be the key to learning from the student's view.
Barb Fukushima: ETP 4, 5, 7
ANALINE BAUTISTA: make sense of problems
Imelda Garcia: 2,6,7
Hong Pun: ETP: 2,3,7
Mark Fili: Students- SMP 1, 2, 3
Aura Fortaleza: 3,5,8
Wanda Parker: SMP - 1, 3, 4
Stephenia Courtney: Construct viable arguments, Reason abstractly, Model with mathematics
Teresa Barut: Implement tasks that promote reasoning/problem solving, Pose purposeful questions, Support productive struggle
Lisa Brinkley: ETP 1, 2, 7
Diane Anderson: smp 1,3,7
Tim Bobay: ETP - 3, 7, 8
Aileen Urbiztondo: Mathematical discourse, tasks that promote reasoning, use evidence of student thinking
Leticia Chapa: ETP 2,3,6
Mrtk Vasicek: ept 2,4,8
Sharon Black-MacKinnon: establish mathematics goals to focus learning, use and connect mathematical representations, facilitate meaningful discourse
ANALINE BAUTISTA: construct viable arguments
Guadalupe Alvidrez: Implement task that promote reasoning
Dave Hankin: ETP 2,4,6
Paaru Kwiatkowski: ETP1,4,7
Janet Jimenez: ETP 2/4/ 7
Myra Collins: I like "pose purposeful questions" as long as those questions are higher order thinking. DOK 1 doesn't cut it.
Nichole Baggett: 1, 3, 7
Janice Magauay: Smp 1,2,5
Valerie Vanderport: 1,3,7
Maryn Foote: SMP 1,3, and 5 by TP 2
Jessica Barrier: establish mathematical goals, discourse, and productive struggle
Brenna Fain: supporting productive struggle!
Sharon Black-MacKinnon: elicit and use evidence of student thinking
Guadalupe Alvidrez: Implement tasks that promote reasoning, meaningful math discourse, and productive struggle
Sandra Corbacioglu: SMP 8 shows up a lot for me
Maria Padiernos: ETP --> 1,3,7 Standards--> 1,2, 4
Sara Sweeningsen: ETP: 2,4,7
Jane Gaun: Pose purposeful questions coming up the lost, both ways
Aya Zvaigzne: always ETP 8
Bina Kachwalla: All these are very important as well
Sara Sweningsen: SMP: 1,3,7
Kendra Cole: I had a lot of discourse teacher practices.
Lora Deiter: I notice that constructing viable arguments and critiquing the reasoning of other keeps coming up as important...looks like I need to do more of it.
Heidi Hague: I think it depends on your frame of reference as well.
Shelly Jones: SMP #1 to ETP 4, 5, 7
Shelly Jones: SMP 2 to ETP 2, 8
Shelly Jones: SMP#3 to 4, 5
Cindy Bryant: Great grid and activity.
Janice Magauay: Agree
Lucinda Lawson: This is hard to generalize across student populations, isn't it?
Wendy Clark: I am surprised how often I selected "Look for and express regularity in repeated reasoning" I do not tend to focus on this student practice when planning.
Sandra Corbacioglu: Maybe we avoid practices which we are not comfortable or very proficient with?
Shelly Jones: Love this activity. Will definitely use it.
Susan Bardenhagen: Teacher lens implement tasks for prob-solv, reason, construct arguments; discourse- reason, viable arguments,, productive struggle- constructive argument, reason
Susan Bardenhagen: northern Virginia near DC; hey Long Island- I'm from Massapequa!
Sandra Corbacioglu: Would be fun to superimpose the answers!
Michelle Funai: great activity for our next math teacher forum
Diane Anderson: love this
Tina Mitchell: This will be a great activity to do with my PSTs! Definitely will try!
Konnie Guthrie: I will definitely reflect on my own practices using this grid.
Bina Kachwalla: Great matrix to keep us reminded of effective practice
Pam Cadena: I agree--This activity really forces teachers to think about both practices
Jeanine Colwell: this is eye opening
Maryn Foote: Or maybe use the chart to improve SMP by the TP
Dave Hankin: Our personal strengths factor into this as well.
Aura Fortaleza: I agree too
LaWanda Speas: SMP1,3, and 5
Candice Smith: This activity does make you think about both sides of these practices
Ann Cola: great activity... teaching practices are often ignored
Stephania Courtney: I agree
Lucinda Lawson: lol
Janet Jimenez: This is a great reflective tool.
Gracemary Mannion: yes!
Konnie Guthrie: Good idea Maryn
Honey Sacro Swem: @MargieAcabal - I can share some resources with you about SMPs and EFTs. You can share with other teachers from the Philippines. Please email me - honey1403@verizon.net
Ca-Lishea Woods: I think some practices aren't done because it's easy for teachers to slip into how they were taught and just continue those methods and strategies.
Wendy Clark: I am excited to share this with the teachers I coach.
Jennifer Gailey: haha
Jacqueline Luplow: I can't wait to share this with my colleagues, this is so self reflective!
Ca-Lishea Woods: I think some practices aren't done because it's easy for teachers to slip into how they were taught and just continue those methods and strategies.
Kelli Freiwald: great site
Maryn Foote: achievethecore.org is fabulous!
Dionissios Gressis: and number 3
Kathy Villarreal: Will we have access to this ppt?
Mohamed Jamaludeen Thirapusa Mohaideen: “Productive Struggle” I like the term.
Dewey Gottlieb: The slide deck will be available with the recording.
Both will be posted at www.nctm.org/100
00:47:15 MARIA THERESA R. ABUNDA: good morning from doha qatar
00:47:32 Lucinda Lawson: I've been there.. well, the airport!
00:48:06 Joleigh Honey: @Travis I LOVE using Sequences of Tasks! as a foundation for making the 8 x 8 work
00:48:10 Jeanine Colwell: thank you Dionissios
00:48:17 Dionissios Gressis: ;)
00:48:22 Dionissios Gressis: your welcome
00:48:31 Joleigh Honey: Deeper learning happens when we engage students in #Sequencesoftasks
00:48:48 Joleigh Honey: and we implement TP's
00:49:05 Dionissios Gressis: Does anyone teach IB, this is very IB if you get what I mean :)
00:49:13 Anastasia Hay-Shelton: Hi from Richmond, TX
00:49:19 Janet Jimenez: Coherence, progression, cohesiveness= conceptual understanding
00:49:21 Cindy Bryant: Please change your chat setting to "All panelist and attendees" so everyone will see your posts.
00:49:23 Wendy Clark: @Joleigh Honey. Love this statement
00:49:31 MARIA THERESA R. ABUNDA: good morning from doha qatar
00:49:42 Kelli Freiwald: IB?
00:50:00 Dionissios Gressis: International Baccalaureate
00:50:08 Sandhya Raman: I can’t read anything on the screen
00:50:11 Cecilia Arias: yes, the purple book <3
00:50:14 Dionissios Gressis: I probably spelled that wrong
00:50:15 Shelly Jones: Yes! The purple book, LOL!
00:50:19 Kelli Freiwald: new book out called “productive struggle”
00:50:26 Lucinda Lawson: you can minimize everything else
00:50:28 Joleigh Honey: It is very IB... and I also like to think it is very good teaching :) for ALL students
00:50:34 Vida Franklin: This will definitely enhance curriculum focusing on our learners providing a path for educators to reach our students.
00:50:36 Kelli Freiwald: and you
00:50:41 Kelli Freiwald: thank you
00:50:53 Dionissios Gressis: Agreed Joleigh indeed
00:51:17 Joleigh Honey: @Shelly-- I also call it the purple book. Glad I am not the only one
00:52:07 David Barnes: Taking Action Series
https://www.nctm.org/store/takingaction/
00:52:34 Sandhya Raman: 5 book
00:53:15 Janet Jimenez: Mathematical Practices for promoting discourse is incorporated throughout my district
00:53:36 Cecilia Arias: Good point, even online it can happen
00:53:45 Leslie Texas: These books are excellent!
00:53:48 David Barnes: 5 Practices Books
https://www.nctm.org/store/5practices/
00:54:18 Beth Kobett: Excellent resources!
00:54:24 Joleigh Honey: Thanks for posting @DavidBarnes
00:54:29 John Sasko: Try and use Peardeck to collect student work for 5
Practices...
00:54:30 Rachel White: Excellent resources
00:54:44 Denise Walston: all are excellent resources
00:55:07 staci barber: yes simple
00:55:24 Carol Matsumoto: @Denise Glad that you’re here.
00:55:38 Dionissios Gressis: are there digital versions of these available to purchase?
00:55:40 Emerson Roman: Pear Deck is great John.
00:55:59 Ann Cola: these resources make so much sense to teaching students mathematics and understanding our students thoughts
00:56:00 Michael Brown: loving pear deck
00:56:09 Sara Sweningsen: https://sis4teachers.org/2017/03/8-standards-for-mathematical-practice-pop-quiz/
00:56:18 Cindy Bryant: Please change your chat setting to "All panelist and attendees" so your posts are visible to everyone.
00:56:59 Nicole Rigelman: Centering teaching and assessing on student thinking is so critical!
00:57:17 Maryn Foote: It's frustrating when district focuses on language arts, EL's, SWD over and over and leaving math out of the discussions
00:57:33 DawnMarie Gaghan: Yes Maryn!
00:57:44 Kathleen Williams: Since we have focused on Essential Standards through PLC teachers feel like we have run out of time for tasks...
00:58:12 Jacqueline Luplow: Meaningful....that is what is needed!
00:58:41 Michael Brown: and one practice to rule them all(sorry I'm a geek)
00:58:52 Julia Jones: Lol!
00:59:00 Lisa Kowalski: LOL Michael!
00:59:02 DawnMarie Gaghan: I like it Michael
00:59:05 Jennifer Hagman: Love it
00:59:37 Dave Hankin: Connections...
00:59:38 Jeanne Simpson: notice - continual cycles
00:59:42 Rachel Sawyers: cycles
00:59:43 Christina Tully: It’s all one big cycle.
00:59:45 Sara Vaughn: Multiple cycles
00:59:46 Jamie Cook: No distinct starting point
00:59:46 Lora Deiter: I notice it is a cycle.
00:59:47 Wendy Clark: N - cycles within cycles
00:59:47 Kelli Spence: notice-circular cycle
00:59:48 Pam Cadena: notice--the learning cycle is surrounded by the teaching cycles
00:59:48 Rachel White: Continual cycles
00:59:48 Amie Szabo: constantly moving
00:59:49 Rebecca Ronk: Continuous cycles
00:59:49 Thomasenia Adams: Very engaging
00:59:49 Cecilia Arias: I wonder if there’s an "order"
00:59:50 Leslie Krefta: repeating cycles
00:59:50 Rebecca Dominguez-Gaona: which comes first in the teaching cycle
00:59:50 Karla Gutierrez-Whitmire: I notice it cyclical
00:59:50 Rene Stratton: iterative
00:59:51 Jessica Barrier: It cycles around
00:59:52 Liz Swerling: cycles
00:59:52 Michael Brown: multiple iterations
00:59:53 Leighann Feola: connections
00:59:53 Julie Benotti: Multiple cycles within a larger one
00:59:54 Sharon Black-MacKinnon: cylical
00:59:55 Nahdiyah Abdur-Rahman: I wonder what that would look like in the day to day classroom
00:59:55 Shauna Brown: different cycles
00:59:56 Kathy Villarreal: cycle not linear
00:59:56 Melissa Rivera: repeated: discuss, launch, explore
00:59:57 Gloria Flores: Its a cycle
00:59:57 Jessica Barrier: They all go together
00:59:58 Brandi Ledbetter: Practice doesn't end at proficiency!
00:59:58 Maryn Foote: cycles in cycles
00:59:58 Aya Zvaigzne: cycles within cycles, very holistic
00:59:58 Sandhya Raman: colors
00:59:59 Vangela Eleazer: It is a continual cycle
01:00:00 Stephenia Courtney: circular reasoning
01:00:01 Reva Fresina: cycles
01:00:01 Colleen Feller: It's not complicated
01:00:01 Dionissios Gressis: notice: Iterative progress, cycles, systems
01:00:02 John Sasko: Not overloaded with JARGON.
01:00:02 Lucinda Lawson: feedback
01:00:02 Marsha Poh: iterative process
01:00:03 Nicole Rigelman: Even though the nature/focus of learning changes, the cycles for teaching stay the same
01:00:03 Susie Loh: continuous cycles
01:00:03 Kendra Edwards: cycle of understanding
01:00:04 Tina Mitchell: Notice each cycle have discuss, launch and explore
01:00:04 Kendra Cole: Can you start from anywhere on the cycles
01:00:05 Lisa Brinkley: cycles within cycles
01:00:05 Leslie Krefta: overlapping
01:00:06 Michael Brown: looks like engineering
01:00:08 Marya Hughes: similar to 5E instructional model
01:00:08 Jolene Peterson: I notice there are teaching cycles at each phase of the learning cycle.
01:00:09 Guadalupe Alvidrez: Student centered
01:00:09 Julie Benotti: Teaching Cycle part of the learning cycle
01:00:10 Gloria Flores: Learning Cycle and Teaching Cycle
01:00:10 Leena Guttal: Notice- Cycle is continuous
01:00:11 Sara Vaughn: no exit
01:00:11 Michael Fierle: built on a framework
01:00:12 Aura Fortaleza: teaching learning cycles are surrounded by teaching cycle
01:00:13 Joleigh Honey: LOVE LOVE LOVE the Cycles
01:00:13 Ca-Lishea Woods: The need for discussion
01:00:14 Myra Collins: understanding is important
01:00:14 Liz Swerling: explore and discuss
01:00:14 Nadia Messadi: spiraling
01:00:15 Jennifer Lewicki: simple. cycles
Delia Joseph: relate
Jet Yeung: continue cycles
Cheryl Lowery: it is a cycle
Claudia Ramirez: Learning cycle seems to have greater importance
Valerie Vanderport: repetitive
Denise Walston: cycles within cycles solidifies learning
Candice Smith: the teaching cycle is included in each part of the other cycle
Leena Guttal: Spiraling
Lance Brauchla: relates to develop understanding - cyclical
Honey Sacro Swem: reflects growth mindset
Ann Cola: teaching cycle needed at each part of learning cycle
Lora Deiter: Spiraling
Marsha Poh: there is no 'finished'
Lisa Kowalski: You can be adaptive to students' needs.
Sara Vaughn: no exit – never finished
Cecilia Arias: Multiple opportunities to engage
Lucinda Lawson: constant feedback and adjustment
LaWanda Speas: It circles around
Nahdiyah Abdur-Rahman: spiral review
Kelli Spence: They continue
Reva Fresina: they allow us to see real learning
Kendra Cole: Repition, improvement
Aya Zvaigzne: coherence and natural progression
Brandi Ledbetter: There is NO end to learning!
Dave Hankin: Continual..
Liz Swerling: Cycles promote progression and coherence
Honey Sacro Swem: not linear; continually learn
Diana Rixom: Never ends - continuing refinement
Sally Meyer: The goal is reflection and improvement at all times
Mary Dugas: repetition and growth
Tamara Dixon: continual progression
Marya Hughes: low floor and builds
Sharon Black-MacKinnon: ongoing
Pam Cadena: reminder that it is always ongoing
Stephenia Courtney: circular
Leena Guttal: One leads to another
Maryn Foote: yes, growthmindset... growth fluid
Ashley holland: student centered
Michelle Greene: Multiple entry points for students
Joy Hatch: A lot of teacher support for students and time for student integration of topics
Lisa Lambuth: It’s all connected
Deanna Hotaling: continually improving
Ca-Lishea Woods: The ability to reflect and discuss math
Leslie Krefta: start the process where your class is
John Sasko: Reinforces the connections between them
Rachel Sawyers: ongoing
Shauna Brown: flexibility
Denise Parker: each section has time for reflection
Reva Fresina: continuum
Kendra Edwards: Constant reflection
Stephenia Courtney: circular
Wendy Clark: You can jump in where you are
Thanny Penoliar: continuous learning
Valerie Vanderport: multiples opportunities for students
Gloria Flores: on going
Tina Mitchell: constant review
Ann Cola: can jump in anywhere
Jolene Peterson: There's always teaching -- my questions to solidify or further student thinking and work.
MARIFE DIMAUNAHAN: a good guide to goal setting
Lance Brauchla: all develop understanding
Ca-Lishea Woods: MATH DISCOURSE, YES!
Robin Koller: You can repeat the cycle
Michael Brown: if you need to reteach or backfill
Anne Carline: not ending - one leads to next cycle
Amanda Mills: One discussion will lead into another beginning of a cycle that leads to another discussion.
Gracemary Mannion: allows for differentiation
Kendra Cole: Builds skills
Leslie Krefta: go from where you need to go
Emerson Roman: You can come and go at any time
Vangelia Eleazer: It allows us to monitor student understanding
Jennifer Lewicki: we are always going back. review, and metacognition
Wanda Parker: continual
Karen Villa: Repetition of tasks, building a strong foundation
James Sheridan: Meet kids where thy are at
Jennifer Gailey: Students learn how to learn
Kathy Villarreal: continuous engagement in the practices
Lynn Lafferty: start anywhere
Sharon Black-MacKinnon: can invididualize
Susan Bardenhagen: relates to the engineering design process to connect to STEM
Rachel Sawyers: repeat
Lucinda Lawson: more perfect information
Angela Plaunt: Built on understanding
Marya Hughes: access for all, discovery, direct instruction at end
Ludivina Flores: Repeat the cycle
Esperanza Dennis: teaching cycles are continuos around every element in the student cycle which is all repetitive
Julia Jones: That's when we get to implement tasks, over and over, with a progression of skills and standards
Cacho Mariella: goes on and comes back
Joleigh Honey: Students have multiple opportunities, over time, to deeply learn the math!
Wanda Parker: repetition
01:01:11  mike murphy:  long term memory
01:01:12  Maureen Kishbaugh:  Please show learning cycle diagram again.
01:01:13  LaWanda Speas:  Constant learning
01:01:14  Candice Smith:  spiral, build and enter at different parts
01:01:16  Konnie Guthrie:  Every time you cycle through you improve your practices and the students improve also.
01:01:16  Dionissios Gressis:  I just like Discus launch explore
01:01:21  Dionissios Gressis:  seems easy to follow during a lesson
01:01:49  Myeesha Jones:  i love NCTM
01:01:51  Joleigh Honey:  Connects to the Teaching Practices :)
01:01:57  Candice Smith:  I agree Dionissios
01:01:59  Maryn Foote:  Teach cycle turns the learning cycle like low and high pressure weather system
01:02:04  Ludivina Flores:  Discuss, Launch , Explore sounds like the traditional way of teaching?
01:02:04  Dionissios Gressis:  is it launch explore discuss or discuss launch explore or doesn't matter
01:02:13  Anne Carline:  i like that you can c ome into a cycle at any point
01:02:20  Konnie Guthrie:  The simplicity is nice.
01:02:23  Marya Hughes:  Open Up Resources / Illustrative Mathematics uses this
01:02:35  Anne Carline:  dont have to talk first,might do explore firt
01:02:59  Ann Cola:  Nice connection to 5 practices
01:03:04  Ca-Lishea Woods:  Totally agree Anne
01:03:08  Jolene Peterson:  love this layering!
01:03:15  Bina Kachwalla:  love this
01:03:19  Wanda Parker:  Like this!
01:03:22  Liz Morris:  YES!!!!!
01:03:28  Ludivina Flores:  Great resource for planning lessons.
01:03:40  Michael Fierle:  Framework built upon a framework built upon another framework
01:03:41  Leighann Feola:  Great idea
01:03:45  Stepheinia Courtney:  AWESOME!
01:03:48  Leslie Krefta:  the different overlays are great
01:04:00  Jacqueline Luplow:  This is wonderful!
01:04:01  Candice Smith:  explore, discuss, launch is a great way to use this cycle to get students to figure the math out for themselves before they learn the proper terminology especially helpful in graphing and transformations (like Desmos activities)
01:04:12  Wendy Clark:  Love this slide.
01:04:13  Aura Fortaleza:  beautiful
01:04:18  Ca-Lishea Woods:  The multiple cycles are like a Math Inception!
01:04:20  Dionissios Gressis:  this might be good for a lesson plan template
01:04:25  Tina Mitchell:  These connections are really good. Makes sense!
01:04:27  Ann Cola:  love this
01:04:28  Lucinda Lawson:  When they say... can I do this...? and I say well find out???
01:04:28  Kendra Edwards: I love that you showed the ETPs in a non-linear
Rachel White: Great connections to teacher practices and mathematical practices

Dionissios Gressis: going to update my planboard, www.chalk.com

Beth Kobett: Love this cycle

Kimberly Rimby: I got here late...man, I'm gonna have to go back and watch from the beginning. I love the cycle and the connections between the practices and the practices. ;-)

Lucinda Lawson: How did you do it??? Well, someone else looked at it this way...

Candice Smith: :)

Kimberly Rimby: Hello from AZ - AML & AATM love NCTM!!!(AZ Math Leaders & AZ Assoc. of Teachers of Mathematics)

Liz Morris: Hi Kim!

Kimberly Rimby: Hi Liz! Great to see you here!!!

Carol Matsumoto: Hi Kim. Loved your Ten Frame webinar.

Kimberly Rimby: Hi Carol - thank you! That means so, so much to me!

Lucinda Lawson: anxiety turns into I wonder...

Kimberly Rimby: @Lucinda - well said!

Lucinda Lawson: Thanks.

Candice Smith: That is a big problem with students these days, they think there has to be 1 exactly correct answer, I struggle with my kids accepting that there are different ways to get to the same answer, I use WODB.CA to help ease them into this idea

Teresa Bulanda: Connected Math project has sil

Beth Kobett: Why do students think there is one right answer?

Lucinda Lawson: when you explain how may different ways to represent 81!!! My students say, no way.

Kimberly Rimby: @Candice - you're right. And I think, unfortunately, they’re led to think that in the early years.

Jacqueline Luplow: Beth, when the first learn to add and subtract, the only one answer is emphasized and a pattern that they pick up.

Julie Benotti: For so long there is only one right answer... 2+2 is only 4. They focus on the answer rather than the representations.

Myra Collins: I think it's due to so much of the early grades focusing on addition and subtraction where there is one right answer! Kids make connections all the time, even if that is not our purpose. In number talks, I've had kids say "we can do that?" when I ask if someone had another way to solve the given problem.

Terri Davis: I think you're right, Jacqueline and Julie!

John Sasko: which one doesn't belong routine www.wodb.com

Jennifer Norman: Julie, I think the way to get around that is to show there are multiple ways to arrive at the answer

Lucinda Lawson: They think I am a magician not a mathematician

Wendy Clark: @Candice and Kiberly... It has to stop with you. I found students are hesitant at first and they complain... but you need to allow wait time and stick to it.

Rachel Sawyers: I have my students share all the different ways they solved the problem. They love seeing all the different ways.
Joleigh Honey: @Myra Agreed!

Denise Smith: I think a lot of teachers ask questions that focus on answer and not process, combine with parents/society view that math is about correct answers.

Terri Davis: They overgeneralize that there's one right answer from learning basic facts.

Joleigh Honey: Mike Spencer!! 2019 PAEMST awardee... Go Mike!

Beth Kobett: Great ideas! :) So, it isn’t the students who come to this idea on their own? It is how we present mathematics ideas?

Kimberly Rimbey: @Julie - and so easy to correct...young kiddos need to learn that 2+2 = 1+3 = 4+0 = 6-2 and so on. There are actually many “answers,” but teachers don’t typically go there in the early grades...not enough of us, anyway.

Candice Smith: yes, I think it also stems from the educational concept of memorizing mathematical facts and in elementary school some teachers say "my way or the highway" as if you don’t do it exactly as the teacher taught you then you are wrong and have to do it again, I struggled with this with my daughter’s 5th grade teacher.

Julie Benotti: Jennifer, yes. I agree.

Claudia O'Keefe: I find it's easier to convince my students that there are many answers and approaches than it is to convince some of my colleagues.

Susan Bardenhagen: Elementary math talks help with realizing there's more than one answer!

Julie Benotti: Claudia - EXACTLY!

Ludivina Flores: Teaching and learning have evolved over the years!

Lance Brauchla: Love different ways so solve problems.

John Sasko: YES! Susan!

Rachel Sawyers: I give my students this: The answer is 12. What is the problem? They can find so many ways to make 12.

Thomasenia Adams: Open-ended problems help with the one answer issue too.

Kimberly Rimbey: Congrats on the PAEMST award, Mike!!! I’m past president of CPAM - we’re proud of your work - thanks for sharing!!!

Wendy Clark: Agreed fears come from teachers as well as students.

Pamela Liegl: Thanks, Travis (and

Claudia O'Keefe: So fun, Rachel!

Susan Bardenhagen: Yes, vocabulary in context!

catherine fox: Is there a book for this framework? What can I read or watch to learn more?

Myra Collins: kids love to seek out different ways to solve problems and/or different answers to some problems. They don't get enough opportunity to play with that. Sad.

Gary Stewart: I told my kids that I prefer to see them show me the process rather than the answer so we can see if they are understanding the process properly.

Kimberly Rimbey: Catherine - I want the book, too!!!

Lucinda Lawson: there was no paper and endless pencils when
mathematics was evolving... Lots of symbols... Only 4 operations...

Jennifer Norman: As a kindergarten teacher I love Wyborny’s work for different ways to look at things

Julia Jones: It has a lot to do with the understanding of the equal sign. It’s often taught as a “now compute and give an answer”.

Kimberly Rimbey: @Jennifer Wyborny’s work is great!

Wendy Clark: Steve Wyborny is great.

Jacqueline Luplow: Try giving your students $5 + ? = ? +1 + 4$, and ask them what number fits in the blank.

Lucinda Lawson: and inequality somehow means not equal.... NO,

Candice Smith: I struggle to get my students to show there work, even though I reinforce it with the chance to get partial credit when they do show their work.

Lucinda Lawson: Fear and anxiety.

Konnie Guthrie: Wyborny is good for middle school too.

Denise Smith: I see a lot of blame being placed on early years teachers but I see teachers in middle school and high school also focus on answer getting - so the message continues up the grades

Vangela Eleaer: True we do have to shift our thinking.

Gary Stewart: Candice Smith, I do the same thing

Lucinda Lawson: learning and growth and celebrating

Gracemary Mannion: I like seeing the student practices overlaid with the cycle.

Cecilia Arias: @Catherine and Kimberly, I think he mentioned this is work out of Brigham Young University

Jacqueline Luplow: We all need to shift our thinking.

Ann Cola: teachers who are not comfortable with Math fall back on the "algorihtm" they learned and don't understand there are many paths to mathematics

Lucinda Lawson: shame

Msrtk Vasichek: https://www.mathematicsvisionproject.org/geometry.html

Jennifer Norman: yes

Stephenia Courtney: Thank you so much!

Cecilia Arias: there you go, CMI framework from BYU

Wendy Heyd: thank you

Pamela Liegl: Thanks, Travis (and Mike) for a very succinct presentation. Great job!

Kathleen Williams: Thank You!

Aura Fortaleza: Thank you so much!

Toni Galassini: Thank you!

Rachel Sawyers: the teachers I work with only want to use their math book.

Jennifer Hagman: This has been so amazing!

Wendy Clark: Thank you Travis.

Claudia O’Keefe: Or, teachers who were really "smart" in school because they got all the answers right, think that is what they need to impart to their students

Janice Magauay: Thank you so much.

Rebecca Ronk: Thank you!
mike murphy: thank you
Ann Adkins: Thank you so much! This was very helpful!!!!!
Cindy Bryant: Great Job Travis!!!
Regina Williams: Thank you!!
Lance Brauchla: Thank you!
Sara Vaughn: Quick hour!! Good job!!
Sharon Ling: Thank you!
Cacho Mariella: Thank you!
Yin-Tzu Huang: thank you
Cindy Kim: Thank you!
Pam Cadena: Thank you so much! This was quite thought-provoking!
Mary Dugas: thank you
Diana Rixom: Thank you
Nadia Messadi: Thank you!
Ludivina Flores: Thank you!
Valerie Vanderport: Thanks for your time!
Trena Wilkerson: Outstanding presentation! Thank you for having us think about these frameworks and connections!
Amie Szabo: Thank you!
Julia Jones: Thank you so much! This was great!
Joleigh Honey: THANK YOU-- Great job Travis!
Imelda Garcia: Thank you
Wendy Clark: Love your work and the MVP work
Candice Smith: I agree @Denise it is not just early grades but teachers in all grades need to make the shift to allowing students to think more creatively... and come to an answer
Kendra Edwards: Thank you!!!
Dave Hankin: Great stuff!
Rene Stratton: so good, thank you
Myra Collins: This was great. Thank you. I love the 8x8 grid. Wonderful idea.
Sharon Black-MacKinnon: Thank you so much!!
Rachel Sawyers: Thanks
Kevin Richmeier: Thank you... great webinar.
Konnie Guthrie: Thank you!
Margie Acabal: Thank you so much
Angelita Beltran: Thank you!
Melissa Campbell: Thank you, Travis!
Jacqueline Luplow: Thank you Travis, this was sooooo helpful!
Kimberly Rimbey: Thank you - love the framework! is it published somewhere??
Jeanne Simpson: Thank you! Great information!
Patrick Montague: Thanks
Sreevelmurugan Vamadevan: Thank you
Paula Wardell: Thank you so much, great information!!!
Phyllis Creech: Thank you!
Teresa Barut: Thank you! Really great talk tonight!!
Stacy Milas: Thank you!!!
Gracemary Mannion: Thank you - so interesting.
Jamie Cook: Thank you!!

Terri Davis: Thank you! I really love the grid and hope to use it with my teachers!

Alexandra Groseta: thanks

Cheryl Lowery: Thanks so much awesome information

Teresa Reddish: Thank you!

Leighann Feola: Thank you

Dave Hankin: Worth trying thinks differently...

Joleigh Honey: Mathematics Vision Project!

Denise Parker: thank you-very informative webinar

Robin Koller: awesome presentation and resources

Honey Sacro Swem: Thank you, Travis, for sharing your expertise. I've been wondering how to help Ts make sense of the 8 SMPs and 8 ETPs.

Terri McCarthy: Thank you very much!

Thomasenia Adams: Thank you

Carol Matsumoto: Thank you to Travis for presenting. Thank you also to Chonda and Dewey for hosting.

Myra Collins: Dewey. It was so good to see you.

Nichole Baggett: thank you

Jennifer Norman: I love how the teaching cycle SUPPORTS the learning cycle

Kim Ellis: Thank you very much

Ann Cola: Thanks Fabulous...can't wait to share with my teachers...

Sophia Vitilio: Thank you!

Darlene Bailey: Thank you! Thank You! Wonderful way to pull all of these different ideas together!

Ann Swierzbin: thank you!

Jeanine Colwell: great webinar, what a great way to look at the practices/standards

Jennifer Gailey: Thank you!

Marya Hughes: OUR!!!

Joleigh Honey: Open Up Resources

Rachel White: Thank you. The examples were great.

Wendy Clark: Mathematics Vision Project is awesome!!!!!!!

Milagros Smith: Thank you for helping me see the connection of these frameworks with my teaching.

SAPNA SHARMA: Thank You Mr. Travis

Edna Rioveros: Thank you!!! I learned so much!!!

Lucinda Lawson: WooHoo

Lorie Huff: Thank you Travis for sharing about the practices, frameworks, and cycles. Thank you Dewey, Chonda, and NCTM!

Susan Bardenhagen: Thank you for validating what I have included in my instruction as best practices and following a framework and the learning cycle. It's empowering!

Tessie Menta: Thank you so much! I superLOVE this Webinar! Thank you Chonda! Thank you NCTM!!!!

Gloria Flores: Thank You

Joleigh Honey: OpenUpResources.org or mathematicsvisionproject.org

Vangela Eleazer: Thank you
01:19:00 Joleigh Honey: Great job Dewey :)  
01:19:03 Arika Wilder: very informative thank you!  
01:19:07 Beth Kobett: Thank you so much!  
01:19:10 Esperanza Dennis: thank you! Well thought out and very helpful. I will check out the publications as well as check out some of the recommendations that my colleagues are sharing on chat.  
01:19:10 DeAnn Huinker: Thanks!!  
01:19:11 Cecilia Arias: Thanks for the food for thought!  
01:19:12 Marie Hannon: thank you  
01:19:12 Honey Sacro Swem: Thank you, Dewey, Chonda, and NCTM!  
01:19:12 Jet Yeung: Thank you for all the information on the cycles of learning. This is great The grids will be a big help.  
01:19:14 Angelita Beltran: Thank you!  
01:19:15 Christina Hall: Thank you  
01:19:19 Michael Fierle: Thank you very much Travis and NCTM!  
01:19:19 Deanna Richardson: Thank you!  
01:19:20 Tamara Purry: Thank you  
01:19:23 Candice Smith: Thank you  
01:19:24 Alison Walker: Thank you so much very interesting!  
01:19:24 Daniel Irving: Thank you for the incredible presentation!  
01:19:24 Melissa Rivera: Thank you  
01:19:25 Maureen Kishbaugh: Thank you  
01:19:25 Brandi Ledbetter: Yes! Thank you!  
01:19:25 Belen Chug: Thank you so much!  
01:19:25 Christina Siow Young: Thank you. This was great!  
01:19:26 Anne Carline: thanks  
01:19:26 Nyla Moore-McCreary: thank you!!!!  
01:19:27 Vida Franklin: Excited to improve my curriculum and instruction to enhance my student's learning experiences. Thank you !!!!!!!  
01:19:27 Jolene Peterson: THANK YOU!  
01:19:27 Cecilia Arias: (Finger snaps)  
01:19:28 JENNIFER Fouladi: Thank you!  
01:19:28 DawnMarie Gaghan: Thank you  
01:19:28 Dionissios Gressis: Thanks Travis  
01:19:28 Michael Brown: thank you  
01:19:29 Easter Taylor: Thank you!  
01:19:29 Chad Hale: ty  
01:19:30 Konnie Guthrie: I saw great discussion from my students when I used open up.  
01:19:31 Lawanda Mahomes: Thank you!  
01:19:31 Lucinda Lawson: Thank you!  
01:19:31 Wanda Parker: Thank you!!!!  
01:19:31 Stephanie Byrd: Thank you and great information!  
01:19:33 Leticia Chapa: Thank you  
01:19:34 Latasha Bryant: great information  
01:19:34 Tessie Menta: Thank you Travis!!!!  
01:19:35 Laura Goss: Thank you!  
01:19:36 Jennie Brown: Thank You!  
01:19:36 Josie Ramos-Leyva: thank you Travis.  
01:19:37 Mary Bishop: Thanks!!
01:19:37   Vicki Roman: Thank you!
01:19:38   Denise Walston: thank you for making connections across different resources
01:19:39   Leena Guttal: Thank you!
01:19:39   Teresa Barut: woohoo!!
01:19:39   Joanne Wilson: I am going to use the 8X8 in my next math meeting
01:19:39   Diane Anderson: Thank You
01:19:40   Rachel Sawyers: Thank you Travis.
01:19:40   John Sasko: TRAVIS!!!!!!!!!!!!!!!!!!!!!!!!!!!!
01:19:42   Sakeenah Shakir: Thank you!
01:19:42   Niniek Budhiastuti: Thank you Travis!
01:19:42   Catherine Fox: Thank you!!!!
01:19:42   Marya Hughes: Thank you!! Excellent presentation and connecting all the things!!!
01:19:42   Maria Salazar: Thank you Travis!
01:19:43   Delia Joseph: thank you!!! AWESOME!!!
01:19:43   Deborah Tytler: Thank You
01:19:46   Liz Morris: Thank you!!!
01:19:46   Maria Padiernos: From Ruby Gracias from Southwest Detroit!
01:19:47   Latasha Little: Thanks
01:19:48   Belkis CERI: Thank you!
01:19:48   Allison Miller: :) 
01:19:48   Tyra Ray: Thank you!
01:19:48   Linda Miller: Grateful for this presentation
01:19:49   Merial Levy: Thank you! Very helpful!
01:19:50   Aya Zvaigzne: Please will we get the ppt slides ?
01:19:50   Anne Carline: I missed first 8 minutes anyway to get a recording?
01:19:53   Kimberly Rimbey: This was fantastic...thank you!!!
01:19:54   LaWanda Speas: Thank you!! Very informative
01:19:54   Aileen Urbiztondo: Thank you very much , a very informative presentation.
01:19:55   Guadalupe Alvidrez: Thank you Travis for the framework and information on where to get some resources.
01:19:59   Thanny Penoliar: thank you!
01:19:59   Alma Miho: Awesome
01:20:01   Gloria Flores: Very Helpful
01:20:01   Jessica Barrier: Thank you!
01:20:03   Reva Fresina: Thank you, we need to shift our mindset in early years, and all the way up
01:20:03   Stephenia Courtney: snap snap snap!!!!
01:20:06   Lucinda Lawson: Please email a link to the presentation!!! I didn't get a link last week!
01:20:07   Noe Eugenio: Thank you Travis!!! (clap clap clap)
01:20:08   Marife Dimaunahan: Thank you Travis, Dewey, Chonda and NCTM
01:20:08   Liz Morris: Love the framework
01:20:09   Susie Loh: thank you! great resources
01:20:09   Denise Parker: thank you for helping me to understand the practices better
01:20:09   Eniola Ajayi: Thank you!
01:20:10   Trisha Bailey: thank you!
Cindy Luper: Thank you. I will use the cycle representation for sure.
Christopher Kenny: Thank you so much!
Belkis CERI: very helpful.
Stacy Milas: Thank you so much! So helpful!!
Thanny Penoliar: Thank you for sharing your expertise
Terri Davis: Anne, recording is available tomorrow!
Cynthia Brunk: Thank you!
Katherine McLemore: Thank you!!
Michael Brown: food for thought as we start thinking about next year
FLORENCE MAE DELA CRUZ: Thank you very much 💖
Thanny Penoliar: Very helpful
C Robertson: Thank you Travis! Thank you Dewey and NCTM.
Kimberly Rimby: @Anne - you can view this immediately on Facebook or tomorrow on the NCTM website.
Beth Roark: Thank you so much!
Myeesha Jones: thank you
Thanny Penoliar: God bless!
Tina Mitchell: This was very informative! Thank you so much!
Lisa Brinkley: thank you
Shelly Jones: Thank you!
Maryn Foote: Thank you all
Frederick Belen: Thank you!
Thanny Penoliar: very informative
Aya Zvaigzne: This was very valuable, thank you enormously.
Janet Jimenez: Thank You very much! This session was great. I love how I can incorporate the mathematical practices within the cycles. Very insightful.
Mohamed Jamaludeen Thirapusa Mohaideen: Thanks a lot!
Lindsay Campbell: Thanks!
Bart Kennedy: Thank you!
Ann Cola: So glad I attended tonight's session
Shelby Newell: Thank you so much!
Maryn Foote: I bought a membership! Best value!!!!
Nahdiyah Abdur-Rahman: Thank you!!!!
Dave Hankin: Thank you from Globe, Arizona!
Lucinda Lawson: Will do!!!!
Cindy Kleinrock: Thank you!
Ramona Hall: Thanks!
Stephania Courtney: Thank you!
David Barnes: @Cara - You can login and renew! Thanks!
Delia Joseph: Thank you so much!
irma: thank you!!!
Megan Day: thank you
Olga Kosheleva: Thank you!
Barbara Lambert: Thank you and God bless.
Jessica Barrier: Thank you!
Cecilia Arias: Thanks so much :)
Tyra Ray: Thank you and God bless!
Aloha!

Thank you!

Thank you for this thoughtful presentation.

Thank you!

Thank you!

Thank you!

Thank you!!

Thank you!!

Thank you Travis!

:-)

Thank you

Thanks for helping me to see how these connect! It is good to see my district team is heading on in the right direction!

Thank you!

Thanks Chonda for allowing Travis to individually answer questions

Thank you Travis. I read your response.

You can leave on your own

I will end the session after Travis has answered a few questions.

Don't forget you can also rewatch on FB as soon as they cut the live.

Thank You