

00:18:11 Trena Wilkerson: Hello from Waco, TX!
00:18:18 Cindy Bryant: Greetings from Springfield, MO
00:18:27 David Barnes: Hi from Leesburg, VA!
00:18:27 Liz Morris: Hello from Phoenix Arizona
00:18:27 Nyla Moore-McCreary: Hello from Tacoma, WA
00:18:27 Patrick Anderson: council bluffs, iowa
00:18:28 Ca-Lishea Woods: Howdy from Houston
00:18:29 Bonnie Angel: Hello from north Georgia.
00:18:29 Lisa Kowalski: Hi from St Louis
00:18:30 Regina Williams: Hello from Miami, Florida
00:18:31 Shauna Brown: hello from Brooklyn, NY
00:18:32 Michael Brown: Hi from Cumberland, RI
00:18:32 Jaclyn Murray: Hi from Cumming, GA
00:18:35 Heather Todd: Hello from Oxford, MS!
00:18:36 Nicolette Nalu: Hello from k-5 math specialist and AMTEA president
in BAMA!!
00:18:37 Gunnar Guttormsen: Hello from Kelso, WA
00:18:38 Darlene Roebuck: San Antonio, Texas
00:18:38 michael Lanstrum: Welcome from Cleveland, OH
00:18:39 Teresa Bulanda: Hi from Connecticut
00:18:40 Diane Anderson: Hi from Massachusetts
00:18:40 Patti Parsons: Hello from Alabama!
00:18:40 Rebecca Wagner: Hi from Sacramento, CA
00:18:41 Cecilia Arias: Greetings from NJ!
00:18:41 Deanna Richardson: Hello From South Dakota
00:18:42 Christina Siow Young: Hi from Monrovia, CA
00:18:42 371640: Lynn from Florida
00:18:42 Kimberly Brown: greeting from Fort Smith AR
00:18:44 Christy Woody: hello from Danville, VA
00:18:45 Candice Smith: Hello from Statesville, NC
00:18:45 Pam Cadena: Hi from Redondo Beach, CA!
00:18:45 Terri McCarthy: Hi from Danbury, CT
00:18:45 Lisa Lambuth: Hi from La Mirada, CA
00:18:46 Kathy Felt: Hi from western IL; 8th grade math and Algebra 1
00:18:46 Aya Zvaigzne: Nashville, TN
00:18:47 Kelli Mumma: hi! from waynesville, oh
00:18:48 Merial Levy: Merial Levy, Inglewood USD
00:18:48 Rebecca Ronk: Hello from New Paltz, NY
00:18:49 Jamie Cook: hello from Mesa, AZ
00:18:49 Michael Fierle: Hello from Pittsburgh, PA
00:18:51 Olga Kosheleva: Hello from El Paso, TX
00:18:51 Ben Newman: Hi from Beijing, China via Melbourne Australia
00:18:51 Vanessa Stokes: Chicago Area :)
00:18:52 Aileen Urbiztondo: Hello, from Bowie, MD
00:18:52 Charleta White-Fletcher: Hello From Rocky Mount NC
00:18:52 Rosalyn Smith: Hello from Red Springs, NC
00:18:53 CHONA LLANTERO: Hello from Philippines
00:18:53 Jen Loescher: Hi from North Las Vegas, NV
00:18:53 penny waddingham: Hello from Iowa
00:18:55 Tanya Landry: Greetings from Baton Rouge, LA

00:18:55 Shiv Gaur: Hi from Astana, Kazakhstan
00:18:56 Brandi Ledbetter: Hello from St. George, Utah
00:18:56 Amie Szabo: Hi from Carlisle, PA
00:18:58 Sharon Black-MacKinnon: Good evening from New Brunswick Canada
00:18:58 Paula Wardell: Hello from Detroit!
00:18:59 roya basu: Hi from NJ
00:19:00 Ana Alcaraz: Hi from Atlanta
00:19:01 Michelle Greene: Hi everybody from Darlington, SC
00:19:01 Sandra Corbacioglu: Hello from northeast Ohio.
00:19:01 Maria Salazar: Hello from Los Angeles California
00:19:03 PATRICK GUERRA: Mabuhay from Philippines
00:19:03 Nely Ara-is: Hello from Norfolk VA
00:19:06 Catherine Bronikowski: Hello from Milwaukee, WI
00:19:06 Katelyn Devine: Hey from Richmond, VA
00:19:07 Al Prewett: Milan New Mexico
00:19:07 Rachel Sawyers: Hell from California, PA
00:19:08 Jessica Brtva: Hello from Palatine IL (near Chicago)
00:19:08 Stephanie Branson: Hello from Pulaski, VA!
00:19:09 Lora Deiter: Hello from Dickson, TN
00:19:09 Kevin Richmeier: From Angier, NC
00:19:10 Petra Shafer: Wichita, KS checking in
00:19:11 Noe Eugenio: Hello from the Philippines!
00:19:11 Sreevelmurugan Vamadevan: Sreevelmurugan from Miami Az
00:19:12 Leslie Texas: Hi from Louisville, KY
00:19:13 Jill Johnson: Wake Forest, NC
00:19:15 Pam Cadena: @Amie--I went to Dickinson College!
00:19:17 Brad Mauro: Happy Thursday from Fuquay Varina NC
00:19:18 Ebony Baker: Hi from Chesterfield, Va
00:19:20 Thomasenia Adams: Hi from Gainesville, FL
00:19:21 Michelle Webb: Nashville TN
00:19:22 ALICIA PARUGINOG: Hello, from the Philippines
00:19:24 Emerson Roman: Hola! Emerson from Mexico City. 3 days in a row of
Webinars. Yeeeee!!!
00:19:26 Denise Griffith: Hello from Wilmington, DE!
00:19:27 Rolando II Delos Reyes: Good morning from Manila Philippines! 😊PH
00:19:29 Laurie Barker: Hi from Junction, Texas
00:19:32 Abdul Razak Othman: Abdul Razak from Malaysia
00:19:32 Ramona Hall: Charlotte, NC!
00:19:38 Shelby Newell: Hello from Maine
00:19:39 Laura Goss: Hi from Tulsa, Oklahoma
00:19:39 Lawanda Mahomes: Hi everyone! Chicago, Illinois
00:19:40 Denise Parker: Hey everyone, I'm a 3rd grade teacher from Lumberton
NC
00:19:45 Imelda Garcia: Hi from Maryland
00:19:47 Crystal Adams: Mansfield tcc
00:19:47 Stephenia Courtney: Hello from Las Vegas, NV
00:19:49 C Robertson: Hello from Reno
00:19:49 Ann Wycoff Bagshaw: Fort Carson, Colorado!
00:19:52 Margie Acabal: Hello form Philippines
00:19:57 Jeanine Colwell: hello from Newport, Nc

00:19:57 Jennifer McMillen: Hi! I am from Fort Worth, TX.
00:19:58 Veronica Kwok: Queens, NYC
00:20:04 Bruce Graham: Durham NC!
00:20:04 Laurie Kurzen: Emporia KS
00:20:05 Julie Benotti: Hello from Plymouth, MA
00:20:05 LaDonna Allison: Hello from North Carolina
00:20:09 Latasha Little: Chicago, IL
00:20:10 Kristyn Cabler: Hello from (a very wet and rainy) Virginia!
00:20:10 Mary Dugas: Hi! Lafayette, LA
00:20:10 Bernita Johnson: Portsmouth, VA
00:20:11 Juaacklyn Cunningham: KY
00:20:13 Heidi Hague: Hoquiam, WA'
00:20:14 Caryn Albrecht: Chico California
00:20:18 Sara Vaughn: Sara here from Greensboro NC @vaughn_trapped
00:20:18 ELLA CABRERA: Hello From Batangas , Philippines
00:20:18 Jennie Brown: Hi from Montgomery, AL
00:20:18 Nonye Obiora: Hi everyone, from Boston Ma.
00:20:20 Aaron Resendez: Mansfield, TX
00:20:20 Leslie Sorace: Hi from AZ
00:20:20 Yin-Tzu Huang: LA, California
00:20:21 Hsiao-Ting Chiou: Hello from California
00:20:21 Elizabeth Sasse: Greeley, CO
00:20:21 Karla Gutierrez-Whitmire: Hello from Phoenix, Arizona
00:20:21 Youjin Kim: hello from NY, NY
00:20:22 Ana Guerrero: Ana from IL
00:20:23 Lynn Lafferty: Hello from Erie, PA
00:20:24 Kennisha Williams: Howdy! lol Houston,Tx
00:20:24 Kathleen Williams: Hi from Naperville IL!
00:20:25 Lance Brauchla: Hi from IN
00:20:26 Faith Lowery: Randolph County, NC
00:20:27 DAWN MEZIERE: Hello from Chicago
00:20:27 Allison Miller: Hi from West Virginia!
00:20:28 Karen Notestine: Hello from NC
00:20:30 Joyce Meier: Hello from Illinois!
00:20:32 Shelly Jones: Greetings from Connecticut! From Shelly Jones
00:20:34 Ximena Sloane: Hello from Round Rock, TX
00:20:35 Missy Silva: Hi from Nashville, Tn
00:20:35 Tracey Sweeney: Hi from Arizona!
00:20:35 Kathy Villarreal: Hello from San Jacinto California
00:20:36 Maranda Jones: Hello from Colorado!
00:20:36 Chad Hale: Hello from New Carlisle Ohio
00:20:36 Konnie Guthrie: Las Vegas
00:20:39 Wanda Parker: Hi from Nathalie, VA
00:20:39 Angelita Beltran: Hello from Waukegan IL
00:20:39 Lucinda Lawson: Pine Bluff Arkansas
00:20:41 Joy Kogut: Hi from a Boston Public School teacher currently in
central VT
00:20:43 Ashlie Griggs: Hello from Richmond, KY
00:20:44 Pamela Liegl: Hi from
00:20:44 Jasmine Mills: Oxon Hill, MD

00:20:44 cynthia klein: Hello from Mansfield TX
00:20:46 Leslie Krefta: Hello from Pennsylvania!
00:20:46 Bryan Buckingham: NC
00:20:47 Kelli Freiwald: hello from PA
00:20:48 rachel wingo: Hi from Providence KY
00:20:50 Nicholle Fiore: Hello from Dayton Ohio
00:20:50 Reena Nancy Stephen Benjamin: from Malaysia
00:20:51 MONICA TIENDA: Hi from Detroit!!
00:20:51 Dave Hankin: Hello again from Globe, Arizona
00:20:58 Justin Klinger: Hello from 60446
00:20:59 Laura Cranmer: Hello from Colorado
00:20:59 Joy Hatch: Hi, I'm Joy Hatch from San Diego
00:21:05 Mohamed Jamaludeen Thirapusa Mohaideen: Hi everyone, This is
Mohamed, CT.
00:21:05 Patrick Montague: Hello From Weslaco, Tx
00:21:06 Laurie James: Aloha Dewey from Laurie on Oahu
00:21:06 DawnMarie Gaghan: Hello from Long Island
00:21:07 Brad Mauro: Aloha
00:21:07 Wendy Kraft: Hi from Silverdale, WA
00:21:08 Marya Hughes: Hello from Long Beach, CA
00:21:09 Steven Jarowski: hi from Charles Town WV
00:21:09 Pamela Liegl: Hi from Pamela in Streator, IL
00:21:10 Tamara Purry: Hello, from Mableton GA!
00:21:10 Rosalyn Bantay: from Philippines
00:21:13 Ginette Peralta Suarez: Hello from Haslet, TX
00:21:14 Claire Dent: Macon GA
00:21:14 Matthew Roberts: Matt From Phx AZ
00:21:15 Gracemary Mannion: Howdy from Mansfield Texas!
00:21:15 mike murphy: Hawaii!
00:21:17 Carole Bamford: Hi from Montreal, Quebec
00:21:19 ANALINE BAUTISTA: hello from Philippines
00:21:19 Lucinda Smith: hi from Battle Ground WA
00:21:19 Yvette Fujimoto: hello from Washington
00:21:22 Emma Pinkett: Hello from Cambridge, MD.
00:21:22 Chad Hale: aloha
00:21:23 Bina Kachwalla: Hi From NZ
00:21:23 Mary Hamilton: howdy from dc
00:21:24 Noreen Shattuck: NH
00:21:30 Milagros Smith: Hello from OCALA, FL
00:21:33 DeAnn Huinker: Hi, joining from Milwaukee!
00:21:34 Ashleigh Walton: hi from nc
00:21:38 Maryn Foote: Aloha! from Long Beach, CA
00:21:39 tracey simmons: Hello from Queens, NY
00:21:41 Lorie Huff: Hello from Fayetteville, Arkansas
00:21:41 Marsha Poh: Hello from sunny SoCal
00:21:41 Jeanne Simpson: Good evening from Decatur, Alabama!
00:21:45 Phyllis Creech: Hello, Phyllis from Georgia
00:21:47 Tim Bobay: Greetings from Raleigh, NC
00:21:49 Tyra Ray: Hey from NC!
00:21:49 Melissa Rivera: Hello from Florida

00:21:52 Christina Hall: Hello from Yuma, AZ
00:21:52 Paulina Uresti: Hello from Yuma, AZ
00:21:53 Toni Galassini: Hi from Chicago!
00:21:56 Leticia Chapa: Hello from San Antonio, Texas :)
00:21:57 catherine fox: Hey more from NC
00:21:58 Terri Davis: Hi from Richmond VA!
00:22:00 Anne Agostinelli: Hello from Chicago!
00:22:03 MARIFE DIMAUNAHAN: Hi from Indonesia
00:22:03 Louise Phillips: Hello from Thomasville, GA
00:22:03 Niniek Budhiastuti: Hello from Indonesia
00:22:04 Michelle Green: Hello from Southern California
00:22:04 Stacy Milas: Hey from NY!!
00:22:10 Torissa Becksvoort: hi from Indianapolis
00:22:10 Tessie Menta: Good afternoon! From Stockton, California :)
00:22:11 Jacqueline Luplow: Houston, Texas says hello!
00:22:11 Susie Loh: Hi from Southern Cal
00:22:12 Alison Walker: Hello Alison Walker Darien, Georgia
00:22:12 Linda Miller: Greetings from Denver!
00:22:16 Teresa Barut: Hello from Western Massachusetts 🍷
00:22:16 Crystal buegeler: hi all from las vegas
00:22:18 Dionissios Gressis: Hi from Surabaya Indonesia
00:22:18 Deborah Tytler: Battle Ground, WA
00:22:21 Dionissios Gressis: its 6am here
00:22:24 Jan Back: Hello, Jan Back from Hampton, Tennessee
00:22:26 Joanne Wilson: Hi from Chi-Town
00:22:26 Beth Roark: HI from Cincinnati, OH
00:22:27 Menchie Besa: Hello from Jacksonville, FL
00:22:27 Melissa Campbell: hello from Fort Payne, Alabama
00:22:28 Rebecca Gonzalez-Kreisberg: Hi from Western Massachusetts!
00:22:31 Eva Gomez: Hello from Phoenix, Az
00:22:33 Maria Padiernos: From Hello from Ruby in the big D - Detroit,
MI
00:22:36 Lindsay Campbell: Hello from Dartmouth, Nova Scotia
00:22:42 Daniel Irving: Hello from North Providence, RI!
00:22:44 Faith Peddie: Hi from Reston, VA!
00:22:46 Jolene Peterson: hello from Kansas!
00:22:48 Nicolette Nalu: Melissa, what took so long. :) Hello my friend!!
00:22:52 Lisa Salles: hi from Slidell, LA
00:22:56 Barbara Lambert: Good evening from Columbus, Georgia
00:22:58 Paaruu Kwiatkowski: Hello from Southern California!
00:22:59 Chonda Long: Handout -
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

00:23:00 Easter Taylor: Hey from Rocky Mount, NC!
00:23:13 Jet Yeung: Hello Everyone-Jet from Henderson, Nevada
00:23:18 Dionissios Gressis: :-)
00:23:22 Chonda Long: Handout -
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

00:23:24 Ann Adkins: Hello from Omaha, Nebraska!
00:23:31 Cecilia Arias: thanks, Chonda!
00:23:34 Kim Ellis: Hi from Winter Park FL
00:23:51 Kendra Cole: Hi, Kendra, from Atlanta GA
00:23:51 Cynthia Brunk: Hello from Virginia! :)
00:23:52 Tracey Sweeney: American Fork has a great band! I saw them several
years ago.
00:23:54 Wendy Clark: Hello all ... Wendy from Ontario Oregon
00:24:05 Michelle Funai: Aloha from Honolulu, HI!
00:24:06 Doris Lipari: Hi from PA
00:24:11 mike murphy: yes
00:24:11 Elaine Boyer: Hi from Denver, CO
00:24:13 Sara Vaughn: yes
00:24:13 Kate Reardon: yes
00:24:14 Ana Alcaraz: yes
00:24:15 Suzanne Smith: Suzanne Smith, Mississippi
00:24:16 Maryn Foote: yes
00:24:16 Emerson Roman: Yes
00:24:17 Wanda Parker: its good
00:24:19 Leslie Krefta: yes
00:24:19 Tamara Purry: yes
00:24:19 SAPNA SHARMA: GOOD AFTERNOON
00:24:20 Kate Reardon: Hello from PA
00:24:20 Sharon Black-MacKinnon: yes
00:24:22 Ann Cola: Hi from NYC
00:24:23 Vanessa Whitehead: HI FROM NORTH CAOLINA
00:24:25 Angela Plaunt: hello from Sault Ste Marie Ontario
00:24:35 George Reese: Hello from Urbana, IL
00:24:36 Natalie Troadec: Hello from Natalie Troadec, Washington, DC
00:24:39 Arnold John Bulanadi: Hello. Arnold from Jacksonville, FL
00:25:08 Joleigh Honey: Hello! Joleigh Honey, Salt Lake, UT
00:25:44 penny waddingham: 5
00:25:50 Pamela Stark: Hello from Massachusetts!
00:26:06 Paaru Kwiatkowski: 5
00:26:14 Cecilia Arias: Was that really 6 years ago?!
00:26:19 Cecilia Arias: OMG
00:26:22 Dianne Mayberry: Does someone have a radio on? There is a lot
of background noise?
00:26:30 Ramona Hall: These were big at our school several years ago and
then quickly went away!
00:26:44 Sara Vaughn: How many are here now?
00:26:58 Faith Peddie: Melissa, do you have a specific question?
00:27:17 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 ..
00:27:46 Myra Collins: Hello from Greentop, MO. Having internet connection
issues.
00:27:58 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:
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

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:
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

00:28:57 Chance Nalley: Chance Nalley, NYC
00:28:57 Sara Vaughn:
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

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:
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

00:33:17 David Barnes:
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/8-by-8-table.pdf

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 mathrmatics
00:35:27 Cecilia Arias: ETP: 3, 7, 8
00:35:28 Chad Hale: nice chart
00:35:31 Msrtek 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 Maria 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

00:36:16 Dionissios Gressis: Teachers
 Implement tasks that promote reasoning
 Support productive struggle
 Establish goals

00:36:17 Dave Hankin: SMP 1,3,5

00:36:17 Terri McCarthy: Implement task that promotes reasoning and problem solving seems to be the key to learning from the student's view.

00:36:19 Barb Fukushima: ETP 4, 5, 7

00:36:19 ANALINE BAUTISTA: make sense of problems

00:36:25 Imelda Garcia: 2,6,7

00:36:25 Hong Pun: ETP: 2,3,7

00:36:27 Mark Fili: Students- SMP 1, 2, 3

00:36:28 Aura Fortaleza: 3,5,8

00:36:30 Wanda Parker: SMP - 1, 3, 4

00:36:31 Stephenia Courtney: Construct viable arguments, Reason abstractly, Model with mathematics

00:36:35 Teresa Barut: Implement tasks that promote reasoning/problem solving, Pose purposeful questions, Support productive struggle

00:36:36 Lisa Brinkley: ETP 1, 2, 7

00:36:36 Diane Anderson: smp 1,3,7

00:36:39 Tim Bobay: ETP - 3, 7, 8

00:36:39 Aileen Urbiztondo: Mathematical discourse, tasks that promote reasoning, use evidence of student thinking

00:36:39 Leticia Chapa: ETP 2,3,6

00:36:39 Msrtk Vasicek: ept 2,4,8

00:36:49 Sharon Black-MacKinnon: establish mathematics goals to focus learning, use and connect mathematical representations, facilitate meaningful discourse

00:36:51 ANALINE BAUTISTA: constuict viable arguments

00:36:57 Guadalupe Alvidrez: Implement task that promote reasoning

00:36:58 Dave Hankin: ETP 2,4,6

00:36:59 Paaru Kwiatkowski: ETP1,4,7

00:37:01 Janet Jimenez: ETP 2/4/ 7

00:37:01 Myra Collins: I like "pose purposeful questions" as long as those questions are higher order thinking. DOK 1 doesn't cut it.

00:37:08 Nichole Baggett: 1, 3, 7

00:37:08 Janice Magauay: Smp 1,2,3,5

00:37:12 Valerie Vanderport: 1,3,7

00:37:16 Maryn Foote: SMP 1,3, and 5 by TP 2

00:37:17 Jessica Barrier: establish mathematical goals, discourse, and productive struggle

00:37:22 Brenna Fain: supporting productive struggle!

00:37:23 Sharon Black-MacKinnon: elicit and use evidence of student thinking

00:37:28 Guadalupe Alvidrez: Implement tasks that promote reasoning, meaningful math discourse, and productive struggle

00:37:31 Sandra Corbacioglu: SMP 8 shows up a lot for me

00:37:37 Maria Padiernos: ETP --> 1,3,7 Standards--> 1,2, 4

00:37:41 Sara Sweningsen: ETP: 2,4,7

00:37:44 Jane Gaun: Pose purposeful questions coming up the lost , both ways

00:37:48 Aya Zvaigzne: always ETP 8
00:37:50 Bina Kachwalla: All these are very important as well
00:37:52 Sara Sweningsen: SMP: 1,3,7
00:38:07 Kendra Cole: I had a lot of discourse teacher practices.
00:38:07 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.
00:38:08 Heidi Hague: I think it depends on your frame of reference as
well.
00:38:28 Shelly Jones: SMP #1 to ETP 4, 5, 7
00:38:48 Shelly Jones: SMP 2 to ETP 2, 8
00:39:00 Shelly Jones: SMP#3 to 4, 5
00:39:05 Cindy Bryant: Great grid and activity.
00:39:06 Janice Magauay: Agree
00:39:16 Lucinda Lawson: This is hard to generalize across student
populations, isn't it?
00:39:17 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.
00:39:21 Sandra Corbacioglu: Maybe we avoid practices which we are not
comfortable or very proficient with?
00:39:29 Shelly Jones: Love this activity. Will definitely use it.
00:39:33 Susan Bardenhagen: Teacher lens implement tasks for prob-solv,
reason, construct arguments; discourse- reason, viable arguments;; productive
struggle- constructive argument, reason
00:40:05 Susan Bardenhagen: northern Virginia near DC; hey Long Island-
I'm from Massapequa!
00:40:06 Sandra Corbacioglu: Would be fun to superimpose the answers!
00:40:07 Michelle Funai: great activity for our next math teacher forum
00:40:07 Diane Anderson: love this
00:40:09 Tina Mitchell: This will be a great activity to do with my PSTs!
Definitely will try!
00:40:10 Konnie Guthrie: I will definitely reflect on my own practices using
this grid.
00:40:17 Bina Kachwalla: Great matrix to keep us reminded of effective
practice
00:40:18 Pam Cadena: I agree--This activity really forces teachers to
think about both practices
00:40:35 Jeanine Colwell: this is eye opening
00:40:35 Maryn Foote: Or maybe use the chart to improve SMP by the TP
00:40:35 Dave Hankin: Our personal strengths factor into this as well.
00:40:36 Aura Fortaleza: I agree too
00:40:38 LaWanda Speas: SMP1,3, and 5
00:40:47 Candice Smith: This activity does make you think about both sides
of these practices
00:41:00 Ann Cola: great activity... teaching practices are often
ignored
00:41:02 Stephenia Courtney: I agree
00:41:15 Lucinda Lawson: lol
00:41:15 Janet Jimenez: This is a great reflective tool.

00:41:17 Gracemary Mannion: yes!

00:41:18 Konnie Guthrie: Good idea Maryn

00:41:18 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

00:41:19 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.

00:41:23 Wendy Clark: I am excited to share this with the teachers I coach.

00:41:25 Jennifer Gailey: haha

00:41:38 Jacqueline Luplow: I can't wait to share this with my colleagues, this is so self reflective!

00:41:40 Jennifer Gailey: It is a lot!

00:41:42 Lucinda Lawson: can't wait to share with teachers I coach as well

00:42:06 Diana Rixom: What a great hook - got me on board!

00:42:10 Candice Smith: I'm in my first year of teaching and most of the focus in student teaching and EdTPA was on the SMPs, not much focus on the ETPs

00:42:31 Wendy Clark: @Lucinda Lawson. I would be interested in hearing your thoughts on sharing them.

00:42:50 Sara Sweningsen: how will you all use this with other groups you work with?

00:42:51 Lucinda Lawson: @mathnothardCBS

00:43:29 Lucinda Lawson: Lucinda.lawson@pinebluffschoools.org

00:43:33 Cindy Bryant: Adding It Up should be in every professional library!

00:43:34 Janice Magauay: Interwoven and interdependent

00:43:43 Jolene Peterson: Honestly, I feel like if we focus on the ETPs, the SMPs naturally happen. A teacher can reflect and say, "Because of my intention with [insert ETP], what SMPs did students engage today?"

00:43:50 Lucinda Lawson: yes

00:44:17 Sandhya Raman: Jolene...agree..

00:44:31 Julie McNamara: I agree. With my new teachers we start with the ETPs (they read PtA) and then move to the SMP.

00:44:40 Honey Sacro Swem: @Jolene - I agree

00:44:56 Sandhya Raman: Can you zoom that slide?

00:44:57 Wendy Clark: I thank you @Lucinda Lawson I will reach out.

00:44:59 Kelli Freiwald: great site

00:44:59 Maryn Foote: achievethecore.org is fabulous!

00:45:01 Sandhya Raman: Oops too late..lol

00:45:10 Dionissios Gressis: that was my number 1

00:45:29 Dionissios Gressis: that was my number 2 lol

00:45:35 Lucinda Lawson: print screen!!!!

00:45:46 Dionissios Gressis: and number 3

00:45:54 Kathy Villarreal: Will we have access to this ppt?

00:46:04 Mohamed Jamaludeen Thirapusa Mohaideen: "Productive Struggle" I like the term.

00:46:25 Diane Anderson: #3

00:46:30 Dionissios Gressis: windows shift s to take clips

00:47:13 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 cylces
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: cyclical
 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

01:00:16 Delia Joseph: relate

01:00:16 Jet Yeung: continue cycles

01:00:16 Cheryl Lowery: it is a cycle

01:00:16 Claudia Ramirez: Learning cycle seems to have greater importance

01:00:18 Valerie Vanderport: repetitive

01:00:18 Denise Walston: cycles within cycles solidifies learning

01:00:21 Candice Smith: the teaching cycle is included in each part of the other cycle

01:00:23 Leena Guttal: Spiraling

01:00:24 Lance Brauchla: relates to develop understanding - cyclical

01:00:24 Honey Sacro Swem: reflects growth mindset

01:00:30 Ann Cola: teaching cycle needed at each part of learning cycle

01:00:31 Lora Deiter: Spiraling

01:00:32 Marsha Poh: there is no 'finished'

01:00:34 Lisa Kowalski: You can be adaptive to students' needs.

01:00:35 Sara Vaughn: no exit – never finished

01:00:36 Cecilia Arias: Multiple opportunities to engage

01:00:36 Lucinda Lawson: constant feedback and adjustment

01:00:37 LaWanda Speas: It circles around

01:00:37 Nahdiyah Abdur-Rahman: spiral review

01:00:37 Kelli Spence: They continue

01:00:38 Reva Fresina: they allow us to see real learning

01:00:39 Kendra Cole: Repitition, improvement

01:00:39 Aya Zvaigzne: coherence and natural progression

01:00:39 Brandi Ledbetter: There is NO end to learning!

01:00:39 Dave Hankin: Continual..

01:00:40 Liz Swerling: Cycles promote progression and coherence

01:00:40 Honey Sacro Swem: not linear; continually learn

01:00:40 Diana Rixom: Never ends - continuing refinement

01:00:40 Sally Meyer: The goal is reflection and improvement at all times

01:00:41 Mary Dugas: repetition and growth

01:00:41 Tamara Dixon: continual progression

01:00:41 Marya Hughes: low floor and builds

01:00:42 Sharon Black-MacKinnon: ongoing

01:00:42 Pam Cadena: reminder that it is always ongoing

01:00:43 Stephenia Courtney: circularsr

01:00:43 Leena Guttal: One leads to another

01:00:44 Maryn Foote: yes, growthmindset.. . growth fluid

01:00:44 Ashley holland: student centered

01:00:45 Michelle Greene: Multiple entry points for students

01:00:45 Joy Hatch: A lot of teacher support for students and time for student integration of topics

01:00:45 Lisa Lambuth: It's all connected

01:00:45 Deanna Hotaling: continually improving

01:00:45 Ca-Lishea Woods: The ability to reflect and discuss math

01:00:46 Leslie Krefta: start the process where your class is

01:00:47 John Sasko: Reinforces the connections between them

01:00:47 Rachel Sawyers: ongoing

01:00:47 Shauna Brown: flexibility

01:00:47 Denise Parker: each section has time for reflection

01:00:47 Reva Fresina: continuum

01:00:48 Kendra Edwards: Constant reflection

01:00:48 Stephenia Courtney: circular

01:00:48 Wendy Clark: You can jump in where you are

01:00:48 Thanny Penoliar: continuous learning

01:00:49 Valerie Vanderport: multiples opportunities for students

01:00:49 Gloria Flores: on going

01:00:49 Tina Mitchell: constant review

01:00:50 Ann Cola: can jump in anywhere

01:00:50 Jolene Peterson: There's always teaching -- my questions to solidify or further student thinking and work.

01:00:50 MARIFE DIMAUNAHAN: a good guide to goal setting

01:00:50 Lance Brauchla: all develop understanding

01:00:52 Ca-Lishea Woods: MATH DISCOURSE, YES!

01:00:53 Robin Koller: You can repeat the cycle

01:00:53 Michael Brown: if you need to reteach or backfill

01:00:54 Anne Carline: not ending - one leads to next cycle

01:00:55 Amanda Mills: One discussion will lead into another beginning of a cycle that leads to another discussion.

01:00:55 Gracemary Mannion: allows for differentiation

01:00:56 Kendra Cole: Builds skills

01:00:56 Leslie Krefta: go from where you need to go

01:00:56 Emerson Roman: You can come and go at any time

01:00:57 Vangela Eleazer: It allows us to monitor student understanding

01:00:57 Jennifer Lewicki: we are always going back. review, and metacognition

01:00:57 Wanda Parker: continual

01:00:58 Karen Villa: Repetition of tasks, building a strong foundation

01:00:58 James Sheridan: Meet kids where thy are at

01:00:58 Jennifer Gailey: Students learn how to learn

01:00:58 Kathy Villarreal: continueous engagement in the practices

01:00:59 Lynn Lafferty: start anywhere

01:00:59 Sharon Black-MacKinnon: can incdividualize

01:00:59 Susan Bardenhagen: relates to the engineering design process to connect to STEM

01:01:00 Rachel Sawyers: repeat

01:01:01 Lucinda Lawson: more perfect information

01:01:02 Angela Plaunt: Built on understanding

01:01:02 Marya Hughes: access for all, discovery, direct instruction at end

01:01:02 Ludivina Flores: Repeat the cycle

01:01:03 Esperanza Dennis: teaching cycles are continuos around every element in the student cycle which is all repetitive

01:01:06 Julia Jones: That's when we get to implement tasks, over and over, with a progression of skills and standards

01:01:06 Cacho Mariella: goes on and comes back

01:01:09 Joleigh Honey: Students have multiple opportunities, over time, to deeply learn the math!

01:01:10 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 Discuss 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 come 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 first
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 Stephenia 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

format.

01:04:29 Rachel White: Great connections to teacher practices and mathematical practices

01:04:31 Dionissios Gressis: going to update my planboard, www.chalk.com

01:05:40 Beth Kobett: Love this cycle

01:06:44 Kimberly Rimbey: 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. ;-)

01:07:23 Lucinda Lawson: How did you do it??? Well, someone else looked at it this way...

01:07:50 Candice Smith: :)

01:07:52 Kimberly Rimbey: Hello from AZ - AML & AATM love NCTM!!! (AZ Math Leaders & AZ Assoc. of Teachers of Mathematics)

01:08:04 Liz Morris: Hi Kim!

01:08:17 Kimberly Rimbey: Hi Liz! Great to see you here!!!

01:08:49 Carol Matsumoto: Hi Kim. Loved your Ten Frame webinar.

01:09:11 Kimberly Rimbey: Hi Carol - thank you! That means so, so much to me!

01:09:21 Lucinda Lawson: anxiety turns into I wonder...

01:09:42 Kimberly Rimbey: @Lucinda - well said!

01:10:16 Lucinda Lawson: Thanks.

01:10:20 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

01:10:46 Teresa Bulanda: Connected Math project has sil

01:10:53 Beth Kobett: Why do students think there is one right answer?

01:11:18 Lucinda Lawson: when you explain how may different ways to represent 81!!! My students say, no way.

01:11:33 Kimberly Rimbey: @Candice - you're right. And I think, unfortunately, they're led to think that in the early years.

01:12:15 Jacqueline Luplow: Beth, when the first learn to add and subtract, the only one answer is emphasized and a pattern that they pick up.

01:12:18 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.

01:12:36 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.

01:12:41 Terri Davis: I think you're right, Jacqueline and Julie!

01:12:47 John Sasko: which one doesn't belong routine www.wodb.com

01:12:53 Jennifer Norman: Julie, I think the way to get around that is to show there are multiple ways to arrive at the answer

01:12:56 Lucinda Lawson: They think I am a magician not a mathematician

01:12:58 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.

01:13:05 Rachel Sawyers: I have my students share all the different ways they solved the problem. They love seeing all the different ways.

01:13:06 Joleigh Honey: @Myra Agreed!

01:13:10 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

01:13:10 Terri Davis: They overgeneralize that there's one right answer from learning basic facts!

01:13:29 Joleigh Honey: Mike Spencer!! 2019 PAEMST awardee... Go Mike!

01:13:31 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?

01:13:32 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.

01:13:34 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 in 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

01:13:35 Julie Benotti: Jennifer, yes. I agree.

01:13:43 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

01:13:50 Susan Bardenhagen: Elementary math talks help with realizing there's more than one answer!

01:13:55 Julie Benotti: Claudia - EXACTLY!

01:13:56 Ludivina Flores: Teaching and learning have evolved over the years!

01:14:02 Lance Brauchla: Love different ways so solve problems

01:14:11 John Sasko: YES! Susan!

01:14:13 Rachel Sawyers: I give my students this: The answer is 12. What is the problem? They can find so many ways to make 12.

01:14:20 Thomasenia Adams: Open-ended problems help with the one answer issue too

01:14:20 Kimberly Rimbey: Congrats on the PAEMST award, Mike!!! I'm past president of CPAM - we're proud of your work - thanks for sharing!!!

01:14:21 Wendy Clark: Agreed fears come from teachers as well as students.

01:14:25 Pamela Liegl: Thanks, Travis (and

01:14:26 Claudia O'Keefe: So fun, Rachel!

01:14:26 Susan Bardenhagen: Yes, vocabulary in context!

01:14:26 catherine fox: Is there a book for this framework? What can I read or watch to learn more?

01:14:38 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.

01:14:39 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

01:14:40 Kimberly Rimbey: Catherine - I want the book, too!!!

01:14:46 Lucinda Lawson: there was no paper and endless pencils when

mathematics was evolving... Lots of symbols... Only 4 operations...

01:14:49 Jennifer Norman: As A kindergarten teacher I love Wyborney's work for different ways to look at things

01:15:03 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".

01:15:08 Kimberly Rimbey: @Jennifer - Wyborney's work is great!

01:15:09 Wendy Clark: Steve Wyborney is great.

01:15:18 Jacqueline Luplow: Try giving your students $5 + ? = ? + 1 + 4$, and ask them what number fits in the blank.

01:15:23 Lucinda Lawson: and inequality somehow means not equal.... NO,

01:15:40 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.

01:15:44 Lucinda Lawson: Fear and anxiety.

01:15:52 Konnie Guthrie: Wyborney is good for middle school too.

01:15:58 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

01:16:03 Vangela Eleazer: True we do have to shift our thinking.

01:16:07 Gary Stewart: Candice Smith, I do the same thing

01:16:09 Lucinda Lawson: learning and growth and celebrating

01:16:17 Gracemary Mannion: I like seeing the student practices overlaid with the cycle.

01:16:18 Cecilia Arias: @Catherine and @Kimberly, I think he mentioned this is work out of Brigham Young University

01:16:27 Jacqueline Luplow: We all need to shift our thinking.

01:16:41 Ann Cola: teachers who are not comfortable with Math fall back on the "algorihtm" they learned and don't understand there are more ways ...many paths to mathematics

01:16:51 Lucinda Lawson: shame

01:17:04 Msrtek Vasicek:
<https://www.mathematicsvisionproject.org/geometry.html>

01:17:04 Jennifer Norman: @. Ann ...yes

01:17:10 Stephenia Courtney: Thank you so much!

01:17:17 Cecilia Arias: there you go, CMI framework from BYU

01:17:19 Wendy Heyd: thank you

01:17:20 Pamela Liegl: Thanks, Travis (and Mike) for a very succinct presentation. Great job!

01:17:21 Kathleen Williams: Thank You!

01:17:21 Aura Fortaleza: Thank you so much!

01:17:22 Toni Galassini: Thank you!

01:17:22 Rachel Sawyers: the teachers I work with only want to use their math book.

01:17:23 Jennifer Hagman: This has been so amazing!

01:17:23 Wendy Clark: Thank you Travis.

01:17:24 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

01:17:25 Janice Magauay: Thank you so much.

01:17:26 Rebecca Ronk: Thank you!

01:17:26 mike murphy: thank you
01:17:26 Ann Adkins: Thank you so much! This was very helpful!!!!
01:17:27 Cindy Bryant: Great Job Travis!!!
01:17:28 Regina Williams: Thank you!!
01:17:29 Lance Brauchla: Thank you!
01:17:29 Sara Vaughn: Quick hour!! Good job!!
01:17:30 Sharon Ling: Thank you!
01:17:31 Cacho Mariella: Thank you!
01:17:32 Yin-Tzu Huang: thank you
01:17:32 Cindy Kim: Thank you!
01:17:33 Pam Cadena: Thank you so much! This was quite
thought-provoking!
01:17:33 Mary Dugas: thank you
01:17:34 Diana Rixom: Thank you
01:17:34 Nadia Messadi: Thank you!
01:17:35 Ludivina Flores: Thank you!
01:17:35 Valerie Vanderport: Thanks for your time!
01:17:35 Trena Wilkerson: Outstanding presentation! Thank you for
having us think about these frameworks and connections!
01:17:36 Amie Szabo: Thank you!
01:17:36 Julia Jones: Thank you so much! This was great!
01:17:36 Joleigh Honey: THANK YOU-- Great job Travis!
01:17:37 Imelda Garcia: Thank you
01:17:37 Wendy Clark: Love your work and the MVP work
01:17:38 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
01:17:38 Kendra Edwards: Thank you!!!
01:17:38 Dave Hankin: Great stuff!
01:17:40 Rene Stratton: so good, thank you
01:17:40 Myra Collins: This was great. Thank you. I love the 8x8 grid.
Wonderful idea.
01:17:40 Sharon Black-MacKinnon: Thank you so much!!
01:17:40 Rachel Sawyers: Thanks
01:17:40 Kevin Richmeier: Thank you... great webinar.
01:17:41 Konnie Guthrie: Thank you!
01:17:41 Margie Acabal: Thank you so much
01:17:42 Angelita Beltran: Thank you!
01:17:42 Melissa Campbell: Thank you, Travis!
01:17:42 Jacqueline Luplow: Thank you Travis, this was sooooo helpful!
01:17:43 Kimberly Rimbey: Thank you - love the framework! is it
published somewhere???
01:17:44 Jeanne Simpson: Thank you! Great information!
01:17:44 Patrick Montague: Thanks
01:17:45 Sreevelmurugan Vamadevan: Thank you
01:17:46 Paula Wardell: Thank you so much, great information!!!
01:17:47 Phyllis Creech: Thank you!
01:17:48 Teresa Barut: Thank you! Really great talk tonight!!
01:17:48 Stacy Milas: Thank you!!!
01:17:49 Gracemary Mannion: Thank you - so interesting.

01:17:49 Jamie Cook: Thank you!!
01:17:52 Terri Davis: Thank you! I really love the grid and hope to use it with my teachers!
01:17:52 Alexandra Groseta: thanks
01:17:53 Cheryl Lowery: Thanks so much awesome information
01:17:54 Teresa Reddish: Thank you!
01:17:55 Leighann Feola: Thank you
01:17:55 Dave Hankin: Worth trying thinks differently...
01:17:56 Joleigh Honey: Mathematics Vision Project!
01:17:57 Denise Parker: thank you-very informative webinar
01:17:57 Robin Koller: awesome presentation and resources
01:17:58 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.
01:17:59 Terri McCarthy: Thank you very much!
01:18:00 Thomasenia Adams: Thank you
01:18:01 Carol Matsumoto: Thank you to Travis for presenting. Thank you also to Chonda and Dewey for hosting.
01:18:01 Myra Collins: Dewey. It was so good to see you.
01:18:02 Nichole Baggett: thank you
01:18:04 Jennifer Norman: I love how the teaching cycle SUPPORTS the learning cycle
01:18:05 Kim Ellis: Thank you very much
01:18:05 Ann Cola: Thanks Fabulous...can't wait to share with my teachers...
01:18:06 Sophia Vitilio: Thank you!
01:18:07 Darlene Bailey: Thank you! Thank You ! Wonderful way to pull all of these different ideas together!
01:18:10 Ann Swierzbin: thank you!
01:18:18 Jeanine Colwell: great webinar, what a great way to look at the practices/standards
01:18:18 Jennifer Gailey: Thank you!
01:18:19 Marya Hughes: OUR!!!
01:18:24 Joleigh Honey: Open Up Resources
01:18:25 Rachel White: Thank you. The examples were great.
01:18:30 Wendy Clark: Mathematics Vision Project is awesome!!!!!!!
01:18:34 Milagros Smith: Thank you for helping me see the connection of these frameworks with my teaching.
01:18:34 SAPNA SHARMA: Thank You Mr. Travis
01:18:34 Edna Rioveros: Thank you!!! I learned so much!!!
01:18:37 Lucinda Lawson: WooHoo
01:18:43 Lorie Huff: Thank you Travis for sharing about the practices, frameworks, and cycles. Thank you Dewey, Chonda, and NCTM!
01:18:47 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!
01:18:48 Tessie Menta: Thank you so much! I superLOVE this Webinar! Thank you Chonda! Thank you NCTM!!!
01:18:53 Gloria Flores: Thank You
01:18:53 Joleigh Honey: OpenUpResources.org or mathematicsvisionproject.org
01:18:57 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!

01:20:10 Cindy Luper: Thank you. I will use the cycle representation for
sure

01:20:11 Christopher Kenny: Thank you so much!

01:20:11 Belkis CERI: very helpful.

01:20:12 Stacy Milas: Thank you so much! So helpful!!

01:20:14 Thanny Penoliar: Thank you for sharing your expertise

01:20:15 Terri Davis: Anne, recording is available tomorrow!

01:20:15 Cynthia Brunk: Thank you!

01:20:20 Katherine McLemore: Thank you!!

01:20:20 Michael Brown: food for thought as we start thinking about next
year

01:20:22 FLORENCE MAE DELA CRUZ: Thank you very much 

01:20:22 Thanny Penoliar: Very helpful

01:20:24 C Robertson: Thank you Travis! Thank you Dewey and NCTM.

01:20:25 Kimberly Rimbey: @Anne - you can view this immediately on
Facebook or tomorrow on the NCTM website.

01:20:29 Beth Roark: Thank you so much!

01:20:31 Myeesha Jones: thank you

01:20:37 Thanny Penoliar: God bless!

01:20:42 Tina Mitchell: This was very informative! Thank you so much!

01:20:48 Lisa Brinkley: thank you

01:20:50 Shelly Jones: Thank you!

01:20:57 Maryn Foote: Thank you all

01:21:02 Frederick Belen: Thank you!

01:21:05 Thanny Penoliar: very informative

01:21:05 Aya Zvaigzne: This was very valuable, thank you enormously.

01:21:06 Janet Jimenez: Thank You very much! This session was great. I
love how I can incorporate the mathematical practices within the cycles. Very
insightful.

01:21:13 Mohamed Jamaludeen Thirapusa Mohaideen: Thanks a lot!

01:21:17 Lindsay Campbell: THanks!

01:21:29 Bart Kennedy: Thank you!

01:21:37 Ann Cola: So glad I attended tonight's session

01:21:41 Shelby Newell: Thank you so much!

01:21:42 Maryn Foote: I bought a membership! Best value!!!!

01:21:43 Nahdiyah Abdur-Rahman: Thank you!!!!

01:21:46 Dave Hankin: Thank you from Globe, Arizona!

01:21:54 Lucinda Lawson: Will do!!!!

01:21:59 Cindy Kleinrock: Thank you!

01:22:34 Ramona Hall: Thanks!

01:22:56 Stephenia Courtney: Thank you!

01:22:59 David Barnes: @Cara - You can login and renew! Thanks!

01:23:06 Delia Joseph: Thank you so much!

01:23:06 irma: thank you!!!

01:23:09 Megan Day: thank you

01:23:14 Olga Kosheleva: Thank you!

01:23:17 Barbara Lambert: Thank you and God bless.

01:23:20 Jessica Barrier: Thank you!

01:23:23 Cecilia Arias: Thanks so much :)

01:23:24 Tyra Ray: Thank you and God bless!

01:23:26 Stephenia Courtney: Aloha!
01:23:27 Jordan Gotreaux: Thank you!
01:23:28 Jennifer Heldenbrand: Thank you for this thoughtful presentation.
01:23:31 Daniel Irving: Thank you!
01:23:34 Hsiao-Ting Chiou: Thank you!
01:23:35 Dasha Layne: Thank you!
01:23:40 Christina Tully: Thank you!!
01:23:44 Karla Gutierrez-Whitmire: Thank you
01:23:46 Julie Benotti: Thank you Travis!
01:24:12 Dionissios Gressis: :-)
01:24:21 Eva Iskander: Thank you
01:24:27 Claudia Ramirez: Thanks for helping me to see how these
connect! It is good to see my district team is heading on in the right directon!
01:24:28 Nadia Messadi: Thank you!
01:24:32 Dionissios Gressis: Thanks Chonda for allowing Travis to
individually answer questions
01:25:43 Wendy Clark: Thank you Travis. I read your response.
01:25:55 Chonda Long: You can leave on your own
01:26:09 Chonda Long: I will end the session after Travis has answered a
few questions.
01:26:11 Samantha Bustos: Don't forget you can also rewatch on FB as
soon as they cut the live.
01:26:16 Neda Hilliard: Thank You