



Chat Transcript

Recognition: The Key Piece of Identity Development Framework

Webinar on April 29, 2020

Event Website: <https://ngcproject.org/recognition-the-key-piece-of-identity-development-framework>

Karen Peterson: Please introduce yourself here. Let us know your organization and location.

Patty Sumner: Patty from NJ

Cindy Dixon: Cindy from Springs Preserve Las Vegas

Marta Larson: Marta Larson, Michigan AfterSchool Partnership, Michigan Collaborative Lead

Roxanne Hughes: Welcome everyone! Roxanne Hughes, MagLab/FSU

Rita Karl: Rita Karl, SciGirls Executive Director

Kathy Thomas: Hi everyone! Kathy from The Connector is joining you from Seattle.

Elinor Brown: Elinor Brown, Morgan Community College, Fort Morgan, CO

Sarah Funk: Hi, this is Sarah, ScienceCenter-Network, Austria

Diane Scarangella: Diane from NJ - Grant Program developer for two large school districts

Diane M Hughes: Diane Hughes--teacher

Cyra Sadowl: Education Director for Airway Science for Kids in Portland, Oregon

Angel Thomas: Angel Thomas, Science Museum of Virginia
Danniey Wright: Danniey from Tucson, AZ representing SARSEF a STEM education nonprofit

Sara Fenton: Sara Fenton-SW WA Programs Manager, Girls Inc. of the PNW

Rowan Halliday: Hello, I'm Rowan Halliday with the Texas Alliance for Minorities in Engineering in Austin. I'm a Program Coordinator, which is not really reflected in the survey.

Guadalupe: Lupe from Dallas Public Library

Vanessa Pinto: Vanessa Pinto, Qualcomm Thinkabit Lab in San Diego

Patty Sumner: librarian

Jennifer Schellinger: Hello all! Jennifer Schellinger, FSU

Joe Solich: Joe, Greater Johnstown School Dist Johnstown, PA

Olga Carcamo-Haney: Olga teacher from CT

Manny Leon: Manny Leon, Assistant Director, Arizona Mathematics, Engineering, Science Achievement (MESA)

Adrienne Provenzano 2: Hello! Adrienne from Indiana. NASA Solar System Ambassador!

Margaret Wilch: Margaret Wilch Director of Research, Southern Arizona Research Science and Engineering Foundation, Tucson Arizona

Nicole Jarvis: Nicole Jarvis, Research Assistant at Rockman et al in San Francisco!

Tammy Miller: Tammy Miller Adventure Club Program Coordinator Bentonville Arkansas

Amy Hiet: Amy Hiet Girls Inc of Washington County Hagerstown MD

Holly Ryer: Hi! Holly from STScl in Baltimore, MD

Stephanie Garcia: Dr. Stephanie Garcia from San Antonio, Texas. I am IDRA's STEM and Gender Equity Education Associate.

Tricia Berry (she/hers) - TxGCP: Austin, Texas

Katherine Weber: Hello Katherine Weber founder of Canadian Collaborative for Equity in STEM, Kitchener, Ontario, Canada

Shane Woods: Hi all, Shane Woods from Dallas, Texas. Director of The STEM Center of Excellence, Girl Scouts of Northeast Texas.

Elizabeth Marois: Ellie from Boston: Engineer and leader of Society of Women Engineers Boston's K-12 outreach program

Mike Kennedy: Hello! Mike Kennedy from Northwestern University - Science in Society

Morgan Walker:Morgan Walker, UNCW MarineQuest
Brenda Wolfe:Brenda Wolfe- Society of Women Engineers.
Katherine Weber:Hi Tricia... you probably do not remember me but we have met through NGCP when I was the PA lead contact!
Shelly Hollis:Shelly Hollis, Assistant Director of Center for Cyber Education at Mississippi State University
Lindsey Carmichael:Hi! Lindsey Carmichael, Austin, TX, Program Coordinator for STEM Clubs & Scholarships at the Texas Alliance for Minorities in Engineering
Windy Cardarelli:Hi Windy C from Syracuse, NY Public Librarian
Dale McCreedy:dale mcreedy from the discovery center & MTSU in Murfreesboro TN
Paula Garcia Todd:Paula Garcia Todd - AAAS IF/THEN ambassador, global strategic manager at DuPont
Barbara Miner:Barbara from Portland OR Girls Engage Technology @ Saturday Academy
Tricia Berry (she/hers) - TxGCP:Yeah! Lots of Texas people on here!! :)
Raul Hinojosa:Hi. Raul Hinojosa Jr from The University of Texas at Dallas Office of Diversity & Community Engagement. We run several pre-college programs.
Jill Williams: Jill Williams, University of Arizona Women in Science and Engineering Program. Excited to be here!
Susan Smith:Susan Smith, I'm the STEM Experience Specialist at Girl Scouts of Connecticut.
Lorena Harris:Hello!!! Lorena From SUNY Schenectady NY, CSTEP and LSAMP Director at SUNY Schenectady CCC
Melissa Goforth:Melissa Goforth, Program Manager with Girl Scouts of Eastern Oklahoma
Caitlin Nolby:NASA North Dakota Space Grant Consortium, Grand Forks, ND
Dianna Dibble:Dianna Dibble Assistant Outreach Coordinator/ Graphic Designers at National Marine Mammal Foundation, San Diego, CA
Timothy Fowler: Hi! Timothy Fowler, NYS Network for Youth Success and NY STEAM Girls Collaborative
Angel Thomas:Angel Thomas again, Science Museum of Virginia, Worksop Coordinator (Girls in Science And zGirls in Medicine Camp ins, Scout Camp in, Wonderpkace
VENESSA TAYLOR:Venessa Taylor, Educator Bentonville Adventure Club
Dale McCreedy:dale mcreedy also lead on TN girls collaborate... driving
Kathy Thomas:National Girls Collaborative Project: <https://ngcproject.org>
Jennifer Stancil:Jennifer Stancil, Proud Board Chair 2020, National Girls Collaborative Project and advisor to SciGirls
Brittany Novick:National Marine Mammal Foundation - San Diego, CA
Jennie Mathur:Jennie Mathur, Girls Inc.
Sara Kobilka (and crew):Sara Kobilk, NY STEAM Girls Collaborative and SciGirls
Christine Danger:Christine Danger : University of Florida and Hillsborough County Florida Public Schools - STEM Instructional Specialist
Rita Karl:Nice to see so many SciGirls advisors, trainers and educators.
Marcie Benne:Marcie Benne Oregon Museum of Science and Industry in Portland Oregon
Kathy Thomas:The Connector: <https://theconnector.org>
LaShawnda Lindsay:LaShawnda Lindsay, Wellesley Centers for Women, Wellesley College, Black Girls and STEM initiative Director
Kathy Thomas:FabFems: <https://www.fabfems.org>
Shelly Hollis:This is Shelly from MS who is interested in turning MS green!
Carol Fletcher:Hi Shelly!
Kathy Thomas:SciGirls CONNECT: <http://www.scigirlsconnect.org>
Kathy Thomas:SciGirls: <https://pbskids.org/scigirls>
Michelle Hall:Michelle Hall Teen Science Cafe Network
Camellia Sanford-Dolly:Camellia Sanford-Dolly, Senior Research Associate, Rockman et al
Karen Peterson:If you have just joined us, please introduce yourself here in the chat.

Carol Fletcher:Carol Fletcher - The University of Texas at Austin

Carol Fletcher:EPIC (Expanding Pathways in Computing) Director at Texas Advanced Computing Center

Nancy Coddington:hi Nancy Coddington from NY

Sara Kobilka (and crew):Hi Tucson friends! I miss you!!

Tricia Berry (she/hers) - TxGCP:Texas friends: we have a team of SciGirls trainers in Texas - reach out if you have questions, are interested in a workshop, etc. :)

Adrienne Provenzano 2:seejane.org is site for the Geena Davis Institute on Gender in Media. Great source for research on women and girls in media.

Tricia Berry (she/hers) - TxGCP:And all: we're doing a Camp Creativeness webinar that will include the SciGirls strategies for our May TxGCP webinar:

<https://www.txgcp.org/workshops/2020/5/19/txgcp-webinar-> -- all welcome. :)

Shane Woods:Thx Tricia

Rita Karl:Thanks Tricia

Windy Cardarelli:side note- I had a guidance counselor in hs tell me I didn't need to take math or science classes in my senior year, that I had plenty to graduate. Then, told I'd make a cute secretary. Different world. This is my drive to participate in STEM as a coach/educators for others!

Adrienne Provenzano 2:Am wondering what suggestions there are for effective recognition via distance learning.

Rita Karl:We are actually considering that very question.

Roxanne Hughes:Adrienne, excellent question. The short answer is, we have little data on this.

Rink Somerday:Is it possible to have a listing of the survey questions?

Roxanne Hughes:Hi Rink, Karen has a copy of a paper that we wrote and that has the survey questions.

Karen Peterson:Rink - I will put it on the event website as a resource.

Brittany Novick:i would like a copy if the paper as well if it's possible!

Rink Somerday:Great. I have seen some terrible survey questions like, "I like being a girl." LOL

Juan:What does STEM Capital mean?

Shane Woods:@Rink: Same. Ridiculous questions lol

Roxanne Hughes:STEM capital is a construct that measures STEM resources and supports (e.g. games, museum visits, parental support)

Juan:thank you, found a definition on the web too.

Roxanne Hughes:Our reference slide also has a list of the original articles where these survey questions/constructs were first defined.

Lindsey Carmichael:Did that mean that Marine STEM as an org had more STEM capital, or the individual students involved had more STEM capital?

Roxanne Hughes:That is the mean of student scores

Roxanne Hughes:So on average, students in Marine STEM had a higher STEM capital than the other two camps

Lindsey Carmichael:Ok, thank you.

Karen Peterson:Feel free to share non-STEM confidence building activities you use in your programs.

Windy Cardarelli:at the end of our Farming on Mars camp last summer, we had a family open house, the kids explained their models in a "speed dating style format" causing them to present to 5 different groups of people and families were encouraged to ask questions

Sarah Taylor:I wonder about ways to improve recognition in STEM programs where not all participants are necessarily interested in being involved in the program (like a classroom STEM program). I've found that recognition can be really tricky in those types of situations as not all students want to be recognized as being good at STEM due to peer opinions of them.

Katherine Weber:Are there plans to replicate the study with other camps that represent other areas of STEM? Perhaps the results would be interesting to compare.

Jennifer Stancil:I'd love to see the correlation between science capital, race and the selection of STEM classes, especially honors classes.

Katherine Weber:@ Sarah... so very true! As a teacher, I was very careful when the recognition or praise was given

Adrienne Provenzano 2:Introversion and shyness are not identical.

Jennifer Stancil:I'd also suggest tracking, in an informal setting, coding the times outside of discussion, particularly the before and after the program for 1:1 discussion

Katherine Weber:@Jennifer, even with the non-honours classes would also be interesting!

Barbara Miner:Some of feeling safe is created when teachers recognize the importance of failure, rather than "Absolutely right"

Nancy Coddington:Agree Barbara- great point

Rowan Halliday:@Barbara: Agreed. So many students won't raise their hand unless they feel sure they have a right answer.

Manny Leon:Did students have to pay for these camps? How does family income affect a student's STEM capital?

Vanessa Pinto:we are having some virtual engineering camps this year. Although collaboration is a big aspect in engineering, some part of it will be sacrificed in a virtual environment. Any tips to mitigate this? We're afraid it'll impact confidence levels even if recognition is a big element.

Windy Cardarelli:google hangouts

Katherine Weber:If the girls feel they can make errors, they will become over time more confident to try the activities - often smaller groups also promotes that the girls to contribute

Sara Kobilka (and crew):<https://www.acacamps.org/resource-library/coronavirus/virtual-program-resources>

Sara Kobilka (and crew):This is from the American Camp Association

Rita Karl:More family and child camps, so there is is fuller home involvement.

Timothy Fowler:Zoom's breakout rooms are a great way to do "small group" collaboration

Kathy Thomas:NGCP has compiled a list of resources for online learning to assist as you serve your programs and communities (updated regularly): <https://ngcproject.org/stem-resources-for-online-learning>

Sarah Funk:Did you see any differences if educators praised for effort or for intelligence?

Vanessa Pinto:thank you for sharing!

Nancy Coddington:Break out rooms in Zoom would work for coloboration- I would recommend having an adult present in the rooms to make them productive and keep on task.

Vanessa Pinto:great tip! huge thanks!

Mike Kennedy:Wondering if you have any insights into whether shifts in indentity were lasting - e.g. still persisted months later

Katherine Weber:Having close to peer role models as leaders/facilitators also is a great way to encourage the girls to work through a challenge

Angel Thomas>Hello Vanessa, i would like to find out how you are doing your online camp (how long?, cost?, etc).

Alicia Santiago:I like Adrienne's point about introversion and shyness are not identical. Introversion and shyness varies across different cultural groups. So definitively influenced by culture! Wondering how this impacts ways to improve recognition in STEM?

Vanessa Pinto:vanessa.nv.pinto@gmail.com --@angel

Angel Thomas:Thanks Vanessa,, my email is athomas@smv.org

Rita Karl:Cascading Influences - <https://www.fi.edu/sites/default/files/cascading-influences.pdf>

Mike Kennedy:Thank you! We have a current NSF study along the longitudinal lines. Would love to chat more about this!

Roxanne Hughes:Feel free to reach out!

Lindsey Carmichael:Mike, do you have a link?

Kathy Thomas:NEXT Webinar: <https://ngcproject.org/making-stem-meaningful-for-girls>

Katherine Weber:Thank you!

Holly Ryer:Thank you - this was great!

Christine Danger:Thank you!

Wendy Feenstra:thank you!

Morgan Walker:Thank you all!

Windy Cardarelli:thanks! Be well all!

Nancy Coddington:Thank you!

Timothy Fowler:thank you so much! Stay safe everyone!!!

Jennifer Stancil:Wonderfully interesting! Thank you!

Sara Kobilka (and crew):Thanks for the info!

Vanessa Pinto:thank you so much! this was such an incredible wealth of information and resources

Kathy Thomas:Cascading Influences: <https://www.fi.edu/sites/default/files/cascading-influences.pdf>

Adrienne Provenzano 2:Thank for for the research, presentations, and facilitating discussion! Stay safe and well everyone!

Mike Kennedy:https://www.nsf.gov/awardsearch/showAward?AWD_ID=1906971

Ali Jackson:Thanks for sharing all this useful work! be well, all.