Northeast Region
Association for Science Teacher Education
Virtual Conference
Friday, October 15, 2021
Welcome!

What a year it has been! We had hoped to be in person this year, but the world is not yet ready. We are crossing our fingers to see you at the January national conference in SC! In the meantime, thank you for joining us online again. We hope the presentations from faculty and graduate students push you to examine your own work and that you are able to make some new connections and friends. We are honored to have the NYC public schools Chancellor Porter as our keynote speaker this year. As a lifelong educator in one of the most high-needs areas in our region, we felt her remarks during this critical juncture in contemporary history would give some perspective on education’s needs and what’s next for public schooling. We hope you enjoy the conference and we hope to see you in person soon!

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The Northeast Chapter of the Association for Science Teacher Education is committed to promoting excellence in science teacher education through scholarship and innovation. Please contact current regional leaders for more information and consider getting involved with our international organization.
WELCOME & KEYNOTE  9:00-9:55AM

Zoom A: click here to join, passcode: 516254

Welcome: NE-ASTE Executive Board

Keynote Address: Chancellor Meisha Porter

Meisha Porter is Chancellor of the New York City Department of Education, the largest school system in the nation. Appointed on March 15, 2021, she is the first Black woman to lead the education of the system’s 1 million students in over 1,800 schools. A lifelong New Yorker and product of the City’s public schools, Chancellor Porter has climbed every rung of the DOE’s professional ladder over nearly 25 years: community coordinator, English teacher, assistant principal, principal, district superintendent, and Bronx executive superintendent before ascending to Chancellor. Under her leadership in her most recent position, graduation rate increases in the Bronx outpaced the gains of other boroughs. Her vast experience in the system makes her the ideal leader to advance us toward fully reopening our buildings to all students while accelerating progress toward equity and excellence for all.

A recipient of the National Association of Negro Women’s Sojourner Truth Award, Porter has been a Columbia University Cahn fellow and an Aspen Institute fellow. She has taught at CUNY as an adjunct professor and participated in the Harvard University National Institute for Urban School Leaders and is a member of the Fordham University – Carnegie Foundation iLead team.

Porter received her Bachelor of Arts degree in English from Hunter College, concentrating in Cross Cultural Literature and Black and Puerto Rican Studies. She later received her Master’s Degree in Administration and Supervision from Mercy College and completed her School District Leader certification through the NYC Advanced Leadership Institute. She is currently pursuing a doctorate in education at Fordham University.
The format for this year’s roundtable discussions is 25 minutes for each discussion. The link provided is for both discussions in that room. Feel free to switch rooms, if desired.

**ROUNDTABLE DISCUSSIONS I: 10:00—10:25 AM**

*Collaborating for Student-centered, Equity-focused Teaching*

Karen Woodruff, Endeavor STEM Teaching Certificate Project, kwoodruff@us-satellite.net
William Green, Teachers College, green.creative.education@gmail.com

**Zoom A: click [here](#) to join, passcode: 516254**

**Meeting the Challenge of Place-Based Professional Learning in a Remote Online World**

Regina Toolin, University of Vermont, rtoolin@uvm.edu

**Zoom B: click [here](#) to join, passcode: 634775**

**ROUNDTABLE DISCUSSIONS II: 10:30—10:55 AM**

*What High School STEM Teachers Need to Know*

Judith Gouraige, Stony Brook University, jmgouraige6@gmail.com

**Zoom A: click [here](#) to join, passcode: 516254**

*Nine Days Is Better than No Days: Summer Science Teaching Experiences for Undergraduates During Covid*

Maria Rivera Maulucci, Barnard College, mriveram@barnard.edu
Martina McCrory, Hartford Magnet Trinity College Academy, mriveram@barnard.edu

**Zoom B: click [here](#) to join, passcode: 634775**

**Zoom Room Information:**

Room A: [https://clarkson.zoom.us/j/91751773295?pwd=VU5RRE9KdjJ5MFNHDBoDEY0TlIGUT09](https://clarkson.zoom.us/j/91751773295?pwd=VU5RRE9KdjJ5MFNHDBoDEY0TlIGUT09)
Meeting ID: 917 5177 3295, Passcode: 516254
Phone: +13126266799

Room B: [https://mercy.zoom.us/j/91900834500?pwd=OFFTWStkR0ZqYmJQY29PUStoaXJSQT09](https://mercy.zoom.us/j/91900834500?pwd=OFFTWStkR0ZqYmJQY29PUStoaXJSQT09)
Meeting ID: 919 0083 4500, Passcode: 634775
Phone: +16465588656
The format for this year’s poster session is via Padlet. Please use this time to visit the posters and comment via this link: https://padlet.com/mercySTEM/6rg8aed92r4ucx3J

From Participant to Observer: A Model of Collaboration Across Disciplines
Ibrahim Dincer, Teachers College, idd2108@tc.columbia.edu
Jessica Riccio, Teachers College, ricco@tc.edu
Amanda Mazin, Teachers College, anl2105@tc.columbia.edu

Projecting a Near-Peer Mentoring Network: Including Remote Home School Student Teams in the FISAR Authentic STEM Learning Experience
John Hanning, Archimedes Aerospace LLC, jhanning@archimedesaerospace.com
Jennifer Barlow, Team Barlow Homeschooling, barlow@pivot.net
Duncan Hacker, Archimedes Aerospace LLC, djhax.hacker@gmail.com

Examining Teachers’ Use of Pre-Written Chemistry Lessons in Elementary School
Alexandria Alveshere, University of Vermont, amalvesh@uvm.edu

Developing Online Communities to Support Local STEM Education
Eliza Bobek, University of Massachusetts Lowell, Eliza_Bobek@uml.edu

Projecting a Near-Peer Mentoring Network – From VT to the Mun in Kerbal Space Program
Wesley Barlow, Archimedes Aerospace LLC, wesleybarlow223@gmail.com
Jennifer Barlow, Team Barlow Homeschooling, barlow@pivot.net
Duncan Hacker, Archimedes Aerospace LLC, djhax.hacker@gmail.com

Analyzing Category-level Performance on the Praxis Earth and Space Science: Content Knowledge Test. Who are the Prospective Teachers and What Do They Know?
Rachel Ndembera, Stony Brook University, rachel.ndembera@stonybrook.edu

Examining the Integration of Robotics in a STEM Teacher Certificate Program
Amanda M. Gunning, Mercy College, agunning@mercy.edu
Kristen V. Napolitano, Mercy College Center of STEM Education, knapolitano2@mercy.edu
Meghan E. Marrero, Mercy College, mmarrero3@mercy.edu

LUNCH CONVERSATIONS: 11:45 - 12:15PM

Zoom A, Various Breakout Rooms: click here to join, passcode: 516254

In an effort to promote networking and connections, we encourage you to join a breakout room and have lunch with colleagues to get to know new people and catch up with old friends.
The format for this year’s presentations is to share a 15 minute live presentation, followed by five-eight minutes for Q & A.

**Zoom A: click here to join, passcode: 516254**

**Science Lesson Plans with Social Justice in Mind**
Comfort Ateh, Providence College, cateh@providence.edu  
Justin Babu, Providence College, jbabu@friars.providence.edu  
Maria Gentile, Providence College, mgentil6@friars.providence.edu  

**The History of the Astronomy Regents Examination in New York State**
Zachary Richards, Suffolk County Community College/Stony Brook University, richarz@sunysuffolk.edu  
Thomas Bruckner, Nassau Community College, thomas.bruckner@ncc.edu  
Keith Sheppard, Stony Brook University, keith.sheppard@stonybrook.edu

**Zoom B: click here to join, passcode: 634775**

**Exploring Secondary Master Teachers' Continuing Tensions with Emergency Remote STEM Teaching**
Jeffrey Radloff, SUNY Cortland, jeffrey.radloff@cortland.edu  
Dominick Fantacone, SUNY Cortland, dominick.fantacone@cortland.edu  
Angela Pagano, SUNY System Administration, angela.pagano@suny.edu

**Constructing Collaborative Experiences in Special Education and Science: Starting at the Pipeline**
Jessica Riccio, Teachers College, riccio@tc.edu  
Amanda Mazin, Teachers College, anl2105@tc.columbia.edu

**Teacher Educator Preparation: Experiences in a Multi-Tiered Mentoring Program in Science Teacher Education**
Lorna Otero, Teachers College, lvo2102@tc.columbia.edu  
Emelia Pelliccio, Teachers College, eip2157@tc.columbia.edu  
Ibrahim Dincer, Teachers College, idd2108@tc.columbia.edu
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Graduate Student Travel/Registration Award Presentation
Graduate students who presented today and wished to be considered for the travel award were rated by a team of faculty to receive this award.

Business Meeting
We will give a brief summary of our chapter’s finances and work for the coming year.

Farewell
Thank you to all who presented and attended our virtual conference today! We hope to see you in person next year when we can resume our robust activities!

HOPE TO SEE YOU IN JANUARY 2022!

2022 International Conference
Why Science Education?

Join us in Greenville, SC on January 5-8, 2022