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Northeast Region

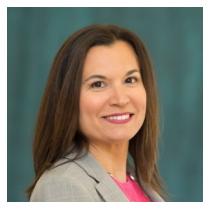
Association for Science Teacher
Education

Virtual Conference

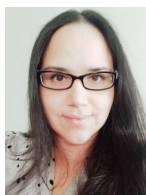
Friday, October 15, 2021

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, Eng-

lish 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.

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

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.

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

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

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

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

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

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

What High School STEM Teachers Need to Know

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

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

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 Room Information:

Room A: <https://clarkson.zoom.us/j/91751773295?pwd=VU5RRE9KdjJ5MFNHdDBOdEY0TlIGUT09>

Meeting ID: 917 5177 3295, Passcode: 516254

Phone: +13126266799

Room B: <https://mercy.zoom.us/j/91900834500?pwd=OFFTWStkROZqYmJQY29PUStoaXJSQT09>

Meeting ID: 919 0083 4500, Passcode: 634775

Phone: +16465588656

POSTER SESSION: 11:00—11:30AM

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@archimedes-aerospace.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 Moon 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

Projecting a Near Peer Mentoring Network –Flying and Coaching the Virtual RC Field

William Barlow, Archimedes Aerospace LLC, willbarlow129@gmail.com

Jennifer Barlow, Team Barlow Homeschooling, barlow@pivot.net

Duncan Hacker, Archimedes Aerospace LLC, djhax.hacker@gmail.com

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.

PRESENTATIONS SESSION: 12:30—1:30PM

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 E in STEM - What You Need to Know About Engineering But Didn't Know to Ask

AnnMarie Flynn, Teachers College, amf2282@tc.columbia.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, aml2105@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, ejp2157@tc.columbia.edu

Ibrahim Dincer, Teachers College, idd2108@tc.columbia.edu

NE-ASTE CHAPTER BUSINESS: 1:30 – 1:45PM

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

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