

2021 Mid-Atlantic Environmental Literacy Summit



June 15, 2021
Chesapeake Bay Program

*Ensuring equity as we prepare the next generation of
climate-ready environmental stewards.*



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The Chesapeake Bay Program would like to extend its gratitude to the Summit planning committee for their hard work and ongoing dedication to environmental literacy in the region: Tom Ackerman, Hannah Chamberlain, Nicole Faraguna, Krysta Hougan, Bart Merrick, Gilbert Myers, Tamara Peffer, Shannon Sprague, Elise Trelegan, Olivia Wisner, and Shea Zwerver.

A huge thanks also goes out to the Leadership Team of the Education Workgroup and all of our speakers, session organizers, and notetakers. We could not have done it without you.

Welcome Letter

This year's summit will virtually connect leaders from across the Bay region to engage on issues of equity and climate readiness, as we prepare the next generation of environmental stewards.

As Pennsylvania's Secretary of the Department of Conservation & Natural Resources (DCNR), I am committed to advancing environmental education and literacy through the work of DCNR staff and our many partners. I believe such investments are critical in empowering students to further their study, civic engagement, and careers in the very sciences, technologies, and humanities that will unlock the solutions to combat climate change, advance clean energy, ensure food and water security, and build a resilient society.

I am pleased to be joined at the summit by Secretary of Education Noe Ortega, Secretary of Environmental Protection Patrick McDonnell, and Secretary of Agriculture Russell Redding in facilitating discussions throughout the day. Secretaries Ortega, McDonnell, and Redding are strong advocates of environmental literacy and their departments play pivotal roles in strengthening understanding around food, health, and environment and ensuring Pennsylvania students have the necessary tools to engage and compete in the 21st century economy.

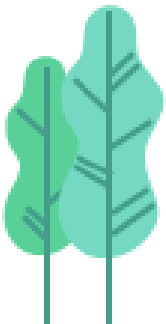
Each of the sessions outlined below offers an important opportunity for the exchange of ideas and best practices. State breakouts also provide a unique opportunity for stakeholders to discuss policy and programming priorities at the state-level.

The summit will commence with an inspiring address by John B. King, Jr., co-chair of the K-12 Climate Action Committee. From the beginning of his career as a high school social studies teacher and middle school principal through his time served as the U.S. Secretary of Education during the Obama administration and beyond, Dr. King has been a tireless advocate for educational innovation and access, and it is an honor to have him joining us for this year's summit.

As First Lady Wolf noted in her [video invitation](#), by participating in this summit you are helping to:

- ensure the well-being of the Chesapeake Bay Watershed;
- empower generations to come with the tools they need to fight for environmental justice; and
- preserve this beautiful slice of the world we are all so lucky to call home.

I personally want to thank you for your commitment to promote and advance environmental literacy.



Cindy Adams Dunn
*Secretary, Pennsylvania Department of Conservation
and Natural Resources*

Read Ahead Materials

- [States Must Help Schools Tackle the Climate Crisis—Beyond What's On the Curriculum](#)
- [The Biden-Harris Climate Agenda Must Include Education](#)
- [State summary](#) for your jurisdiction available on the Summit calendar invitation.

Virtual Workshop Logistics

Due to the COVID-19 pandemic, the Environmental Literacy Summit will occur virtually this year. However, our commitment to meaningful discussions between and among states and their partners has not faded. Throughout the day you will hear from guest speakers, participate in group discussions, and meet with your state delegation to reflect on what you have heard and develop plans for the future. We hope this workshop acts as a catalyst for continued advancement of environmental literacy, equity, and climate education.

Workshop Format

This program has all the information you will need regarding the agenda, Zoom meetings, brainstorming spaces, and information on speakers and breakout sessions. Participants also have access to a [Google folder](#) that will contain the slides and recordings of the plenaries and breakout sessions.

Zoom

Zoom is our primary platform for this conference. In order to have the best virtual conference experience, we suggest that you:

- Join the meeting on a laptop or PC (not cell phone or tablet)
- Have a stable internet connection
- Close all other windows on computer
- Mute yourself when not talking
- Turn your camera on in breakout rooms to make it feel more like an in-person conference experience

To access the Summit meetings:

- Click on the link sent to your email; this is a unique link generated for you and is linked to the breakouts that you selected. If you did not receive this information, you may register at:
<https://umces-edu.zoom.us/meeting/register/tJEkceqopjlsHNZAdsXWRPb-ucPU12-olbls>
- Select “Launch Meeting” button to launch the **desktop** version of Zoom
 - If you want to use the **browser** version of Zoom, click the small “Join from your browser link” link below the blue button. You may have to click Join Meeting for this option to show up.
- Allow Zoom to use computer audio and video
- Type desired name and your organization (if prompted)

Basic Operations:

- To mute/unmute: Click the small microphone icon in the lower left corner
 - You are muted when there is a red line across the microphone and unmuted when only the microphone appears
- To turn video on and off: Click the small video icon in the lower left corner to the right of the microphone icon
 - Your video is off when there is a red line going through the camera icon and your video is on when only the camera appears
- To change video layout: Click the button in the top right corner that has a move board and either says “speaker view” or “gallery view”
 - Speaker view makes the speaker’s video the largest with others small at the top
 - Gallery view fits up to 25 people on your screen
- Polls: A speaker or organizer may issue a poll throughout the workshop to get feedback from the audience. If so, a window will pop up on Zoom and you will be prompted to answer the question.
- Chat: You may be asked or want to respond to something without speaking up, in which case you can use the chat feature. In order to access the chat, click the button on the bottom bar to the right of the green button that says “Chat”.

Breakout Rooms:

- You will be automatically prompted to join the community session and the morning and afternoon breakout rooms based on the sessions you indicated a preference for.
- You will be prompted to select the state you are affiliated with for the state breakouts. If you work at the regional or national level, you may choose to join the national breakout or one of the state breakouts depending on what level your work aligns more closely with.



*****It is important that you stay logged into the Zoom meeting during your lunch break so that we can reorganize breakout rooms for the afternoon session.*****

Tech Help

If you are having any technical issues, private message Olivia Wisner on Zoom or call, text, or email her (wisnero@chesapeake.org, 443-878-9789).

Agenda

Tuesday, June 15, 2021

All times shown in Eastern Daylight Time

If you are unable to access the Notes documents, .pdf copies are available on the calendar invite.

<p style="text-align: center;">Welcome & Introductions 9:00 - 9:40</p> <p style="text-align: center;"><u>Keynote:</u> Dr. John King, Jr., President, The Education Trust Cindy Dunn, Secretary, Pennsylvania Department of Conservation and Natural Resources Shannon Sprague, NOAA Chesapeake Bay Office</p>
<p style="text-align: center;">Community Sessions 9:40 - 10:10</p>
<p style="text-align: center;">Break 10:10 - 10:20</p>
<p style="text-align: center;">Session 1 Plenary: Ensuring Equity in Environmental Literacy 10:20 - 10:40</p> <p style="text-align: center;"><u>Moderator:</u> Secretary Noe Ortega, Pennsylvania Department of Education Patti Curtis, US Department of Education Student Video</p>
<p style="text-align: center;">Session 1 Breakout Rooms 10:40 - 11:30</p> <p style="text-align: center;">Building Capacity Equitably Across School Districts - Padlet Notes Addressing Equity through Youth Afterschool and Summer Programs - Padlet Notes Transformative Policies and Funding for Environmental Education - Padlet Notes Harnessing the Power of Networks to Expand Reach - Padlet Notes Applying Lessons Learned from COVID into the Future - Padlet Notes Preparing Teachers for Environmental Project-Based Learning in Every District - Padlet Notes</p>
<p style="text-align: center;">Break 11:30 - 11:40</p>
<p style="text-align: center;">State Breakout Rooms 11:40 - 12:30</p> <p style="text-align: center;">D.C. * Delaware * Maryland * New York * Pennsylvania * Virginia * West Virginia * National</p>

Lunch

12:30 - 1:30

**** Please stay logged on if you can so we can organize breakout rooms ****

Session 2 Plenary: Empowering a Climate-Ready Generation

1:30 - 1:50

Moderator: Secretary Patrick McDonnell, Pennsylvania Department of Environmental Protection
Laura Schifter, Aspen Institute

[Student Video](#)

Session 2 Breakout Rooms

1:50 - 2:40

Involving K-12 students in Local Climate Action & Policy - [Padlet](#) [Notes](#)

Incorporating Climate Justice into Curriculum and Programming - [Padlet](#) [Notes](#)

Building Career Awareness to Support the Green Economy - [Padlet](#) [Notes](#)

Integrating Environmental Literacy into Career and Technical Education Programming - [Padlet](#) [Notes](#)

Increasing Diversity in Youth Leadership and Corps Programs - [Padlet](#) [Notes](#) [Video](#)

Teaching Science and Engineering Practices using STEM and Environmental Literacy - [Padlet](#) [Notes](#)

Break

2:40 - 2:50

State Breakout Rooms

2:50 - 3:40

[D.C.](#) * [Delaware](#) * [Maryland](#) * [New York](#) * [Pennsylvania](#) * [Virginia](#) * [West Virginia](#) * [National](#)

Closing Session

3:40 - 4:15

Moderator: Tom Ackerman, Chesapeake Bay Foundation
Secretary Russell Redding, Pennsylvania Department of Agriculture



Session Descriptions

Ensuring Equity in Environmental Literacy

Educational equity requires establishing and implementing systems to ensure that every child has an equal opportunity to participate and chance to succeed, including access to environmental literacy programming. This is at the heart of the Chesapeake Bay Program's approach to environmental literacy, which aspires to have meaningful environmental education embedded into learning standards and local curricula, and to support this with highly trained teachers, outdoor experiences for all, and enrichment programs and career pathways that spark and fan interest in environmental stewardship and careers.

Building Capacity Equitably Across School Districts

(Session Organizer: Tara Drennan, Chesapeake Bay Trust)

A sustainable environmental literacy movement demands strong relationships between school districts and their community partners. Nowhere is the power of collaboration more evident than in school districts who serve communities facing socio economic challenges. The supports needed for taking environmental literacy work to scale are being put in place, from states establishing guidelines to partners creating planning guides to emerging capacity building initiatives. These supports have the potential to empower and accelerate progress more equitably at the local level. What are the perceived and real barriers of school districts and community partners working collaboratively together? What are the opportunities to address barriers and build school district capacity? How can we ensure attention and resources are distributed equitably?

Addressing Equity through Youth Afterschool and Summer Programs

(Session Organizer: T'Noya Thompson, North American Association for Environmental Education)

21st Century Community Learning Centers and similar afterschool and summer school programs provide academic enrichment opportunities during non-school hours for children, particularly students who attend high-poverty and low-performing schools. Are there opportunities to expand access to environmental literacy programming using the program? How else can we ensure-underserved populations have access to enrichment programs that see them learning and recreating in the outdoors? How can we cultivate partnerships that are collaborative and sustainable to benefit youth?

Transformative Policies and Funding for Environmental Education

(Session Organizers: Jason Morris, Pisces Foundation; Anupama Joshi, Blue Sky Funders Forum; Sarah Bodor, North American Association for Environmental Education)

States across the nation are creating systemic change in their schools by embracing environmental education as a fundamental student right. This session will explore some of the best state level policy and funding examples from around the country by hearing directly from those people who helped to establish and grow the programs. How can these examples inform your state efforts?

Harnessing the Power of Networks to Accelerate Change

(Session Organizers: Christy Gabbard, Local Concepts; Shannon Sprague, NOAA Chesapeake Bay Office)

States play the starring role in encouraging and supporting the education community to establish embedded environmental literacy content and programming. Formal and nonformal educator networks exist in each state, but they are often not well-connected. Bridging these two types of networks and supporting them with technical assistance and consistent funding, so together they can build strong relationships with decision makers, school districts and community partners, is key to building a strong and sustainable environmental literacy movement in the region. Where are there opportunities to better connect and bolster formal and nonformal educator networks to collectively advance environmental literacy? How can a partnership of existing networks empower districts and teachers to advance environmental literacy priorities?

Applying Lessons Learned from COVID into the Future

(Session Organizers: Nancy Striniste, Green Schoolyards America; Monica Wiedel-Lubinski, Eastern Regional Association of Forest and Nature Schools)

COVID has changed the educational landscape -- perhaps forever. People around the world have been reminded of the value of spending time outdoors to our health and well-being. Since early in the pandemic the National COVID-19 Outdoor Learning Initiative (NCOLI) has been supporting schools and districts across the country in reopening safely and equitably by using outdoor spaces. Also during the pandemic, many young children in our region attended forest schools or nature preschools, which provided safe, joyful, and educationally rich outdoor experiences for the youngest residents of our watershed. How can we help school districts steward the land they own to enhance ecological function while improving the academic performance, and physical and mental health of students? How can we increase equitable access to high quality outdoor schools that support families and provide developmentally appropriate early childhood education?

Preparing Teachers for Environmental Project-Based Learning

(Session Organizer: Tom Ackerman, Chesapeake Bay Foundation)

Project-based learning like the Meaningful Watershed Education Experience (MWEE) is a powerful tool for engaging learners, building 21st century skills, and imparting a stewardship ethic. However, many teachers feel unprepared to use project-based learning because it asks them to relinquish some classroom control to student-directed inquiry. How can we work with school districts to create comprehensive training programs for their teachers? How can we build relationships with universities to offer meaningful pre-service teacher education related to environmental literacy? What are the key elements of PD programs that create sustained impact in underserved districts?



Empowering A Climate-Ready Generation

The current generation of students understands that climate change will have a profound impact on their daily lives. Because climate change is an all-encompassing issue, mitigating it is a job for everyone, not just scientists. This session explores why we must build career awareness and skills through inquiry-based education and hands-on training programs to prepare students to meet the lifestyle and workforce demands necessitated by a changing climate.

Involving K-12 students in Local Climate Action & Policy

(Session Organizers: Carrie McDougall & Sarah Schoedinger, NOAA Office of Education)

Over the past five years communities throughout the country have continued to work toward the goals outlined in the Paris Agreement ([America Is All In](#)). State and local governments are taking actions and implementing policies to address climate change causes and impacts (e.g., Regional Greenhouse Gas Initiative, Climate Action Plans, Energy Efficiency Initiatives). K-12 students can play leadership roles in implementing local climate action. School-based programs afford students the opportunity to learn the fundamentals of environmental literacy as it relates to local climate action. With teachers as their mentors, students can pursue place-based solutions to address specific climate vulnerabilities facing their communities. What opportunities and barriers exist to implementing equitable school-based climate change curricula and climate actions?

Incorporating Climate Justice into Curriculum and Programming

(Session Organizer: Lindsey Kirkland, Climate Generation)

Marginalized communities often face disproportionate impacts from climate change due to structural injustices in society, such as historical exclusion from decision-making and inequities in housing (i.e. lack of air conditioning, properties susceptible to flooding, few resources to adapt). Communities on the frontlines of climate impacts are often those creating the most innovative adaptive and mitigative solutions to climate change as well. How can we teach about the climate crisis in a way that highlights the wisdom and experience of frontline communities, and confronts racism, economic inequality, and other disparities to create more authentic and inclusive curriculum and programming?

Building Career Awareness to Support the Green Economy

(Session Organizer: Bart Merrick, NOAA Chesapeake Bay Office)

Today's middle and high school students will be instrumental in identifying opportunities to solve problems and address the challenges of a changing climate. These new and emerging career paths will exist in a wide range of disciplines and draw on a broad range of educational backgrounds meaning that students with diverse interests can be part of the climate solution. Harnessing the interests and abilities of today's students towards future careers and life opportunities is an exciting part of being an educator, but we know inequities exist in this system. What can we do to build career awareness and better connect students with the diversity of jobs and careers that support the emerging green economy for both career and college tracked students?

Integrating Environmental Literacy into Community College and Career and Technical Education Programming

(Session Organizer: Judd Pittman, Pennsylvania Department of Education)

Green, climate-focused jobs represent a growing sector of our region's economic future. Career and Technical Education (CTE) programs in high schools and technical programs in community colleges along with traditional university programs provide in-demand, skill-based opportunities for students to enter the local and regional workforce. These programs support students pursuing the knowledge, skills, and competencies needed by industries ranging from agriculture to information technology. What opportunities exist to build connections across the educational continuum in support of developing environmentally focused skills and competencies, and constructing career pathways for learners to access jobs in the Green Economy?

Increasing Diversity in Youth Leadership and Corps Programs

(Session Organizers: Brittany Hall, National Park Service; Joe Toolan, Chesapeake Bay Trust)

Increasing diversity in the environmental field is essential to developing culturally responsive solutions to climate change and other complex environmental challenges that we face as a society. Yet today's green workforce lacks the diversity of voices needed to achieve a truly inclusive movement. Providing opportunities for youth from all backgrounds to further their interest in the many different types of environmental work and advocacy is important to motivate and inspire them for their future and prepare them for the workforce demands of climate change. How can agencies and organizations more equitably engage youth in these important opportunities? Once engaged, how can we make sure that these opportunities are inclusive and culturally proficient in meeting the needs of all youth?

Teaching Science and Engineering Practices using STEM and Environmental Literacy

(Session Organizer: Kirsten Jackson, Maryland State Department of Education)

Adapting to a changing climate will call on society to have a firm understanding of how to use evidence-based data and information to make informed decisions and take appropriate action. This includes but goes beyond understanding climate change content to also foster an understanding of how science is conducted and why that matters. This session will explore how STEM and environmental literacy programming allows students to engage in contextualized science and engineering practices that build the critical thinking skills students need to better understand and respond to changing environmental conditions. What do we need to make sure is in place to ensure this is happening in schools and helping students use problem solving and scientific ways of thinking in their approach to understanding and addressing the existential threat of climate change?



Biographies

Keynote

John B. King Jr.

President and CEO, [The Education Trust](#)

John B. King Jr. is the president and CEO of The Education Trust, a national nonprofit organization that seeks to identify and close opportunity and achievement gaps, from preschool through college. King served in President Barack Obama’s cabinet as the 10th U.S. Secretary of Education. Before becoming education secretary, King carried out the duties of the U.S. Deputy Secretary of Education, overseeing all policies and programs related to P-12 education, English learners, special education, and innovation. In this role, King also oversaw the agency’s operations. King joined the department following his tenure as the first African American and Puerto Rican to serve as New York State Education Commissioner. King began his career in education as a high school social studies teacher in Puerto Rico and Boston, Mass., and as a middle school principal. He holds a Bachelor of Arts in government from Harvard University, a J.D. from Yale Law School, as well as a Master of Arts in the teaching of social studies and a doctorate in education from Teachers College at Columbia University.



Plenary Speakers



Patti Curtis

Robert Noyce/Ellen Lettvin STEM Education Fellow, [U.S. Dept of Education](#)

Patti Curtis is the Robert Noyce/Ellen Lettvin Informal STEM Education Fellow. Previously, Curtis served as the Director of the Washington, D.C. Office of the Museum of Science and the National Center for Technological Literacy. Curtis also served on the U.S House of Representatives STEM Education Caucus Steering Committee, the Association of Science and Technology Centers Public Policy Committee, the Title IV, Part A Coalition Steering Committee, the Purdue INSPIRE K-12 Engineering Outreach External Advisory Panel, and the Triangle Coalition Board. She was a government relations representative for the American Society of Mechanical Engineers and served as a leader of the STEM Education Coalition. She was the director of government relations for the National Association of the Remodeling Industry and a legislative analyst for the Transportation Institute. Curtis received her B.A. in Political Science and her M.P.A. at the University of South Carolina and worked for the South Carolina state legislature and the state Department of Parks, Recreation and Tourism.



Laura Schifter

Senior Fellow, [K-12 Climate Action Initiative](#) of the Aspen Institute

Laura Schifter is a senior fellow with the Energy and Environment program leading the K12 Climate Action initiative. Laura is also a lecturer on education with the Harvard Graduate School of Education and a fellow with the Century Foundation. Previously, she worked as the policy director for Education 2020, a coalition of organizations advocating for a comprehensive vision to advance education birth through career, a senior education and disability advisor for Rep. George Miller (D-CA) on the Committee on Education and Labor, and served as an education fellow for Senator Chris Dodd (D-CT) on the Senate Health, Education, Labor, and Pensions Committee. She also taught elementary school in San Francisco. Schifter earned an Ed.D. in Education Policy, Leadership, and Instructional Practice and an Ed.M. in Mind, Brain, and Education from the Harvard Graduate School of Education and a B.A. in American Studies from Amherst College.

Moderators

Tom Ackerman, Co-Chair Education Workgroup, Vice President for Education, [Chesapeake Bay Foundation](#)

Cindy Dunn, Secretary, [Pennsylvania Department of Conservation and Natural Resources](#)

Patrick McDonnell, Secretary, [Pennsylvania Department of Environmental Protection](#)

Noe Ortega, Secretary, [Pennsylvania Department of Education](#)

Russell Redding, Secretary, [Pennsylvania Department of Agriculture](#)

Shannon Sprague, Co-Chair Education Workgroup, Environmental Literacy Manager, [NOAA Chesapeake Bay Office](#)



Session 1: Ensuring Equity in Environmental Literacy (Organizers & Speakers)

Building the Capacity of Underserved School Districts

Kristin Alexander, Executive Director, [Potomac Valley Audubon Center](#)

Tara Drennan, Senior Program Officer, [Chesapeake Bay Trust](#)

Karen Mullin, Director of Professional Learning, [Chesapeake Bay Foundation](#)

James Roberson, Environmental Literacy Instructional Specialist, [Prince George's County Public Schools](#)

Addressing Equity through Youth Afterschool and Summer Programs

Jeff Cole, Network Lead, [Beyond School Bells](#)

Meredeth Dash, VA Environmental Education Specialist, [Alliance for the Chesapeake Bay](#)

Miriam Lund, Group Leader for the 21st Century Community Learning Centers, [U.S. Department of Education](#)

Chris Neitzey, Director of STEM Initiatives, [Afterschool Alliance](#)

Jolynn Thaickal, Program Assistant, [New York Department of Education](#)

Elizabeth Whipple, 21st CCLC SEA Coordinator, [New York Department of Education](#)

Transformative Policies and Funding for Environmental Education

Sarah Bodor, Director of Policy & Affiliate Relations, [North American Association for Environmental Education](#)

Anupama Joshi, Executive Director, [Blue Sky Funders Forum](#)

Jason Morris, Senior Program Officer, [Pisces Foundation](#)

Harnessing the Power of Networks to Accelerate Change

Christy Gabbard, Founder, [Local Concepts, LLC](#)

Jessica Kester, President, [Pennsylvania Association of Environmental Educators](#)

Tamara Peffer, Environment & Ecology Content Advisor, [Pennsylvania Department of Education](#)

Judd Pittman, Special Consultant to the Secretary for STEM, [Pennsylvania Department of Education](#)

Shannon Sprague, Environmental Literacy & Partnerships Manager, [NOAA Chesapeake Bay Office](#)

Applying Lessons Learned from COVID into the Future

Sarah Pedemonte, Marine Sciences Education and Curriculum Specialist, [Lawrence Hall of Science](#)

Nancy Striniste, Director of East Coast Programs, [Green Schoolyards America](#)

Monica Weidel-Lubinsky, Executive Director, [Eastern Regional Association of Forest and Nature Schools](#)

Preparing All Teachers for Environmental Project-Based Learning

Tom Ackerman, Co-Chair Education Workgroup, Vice President for Education, [Chesapeake Bay Foundation](#)

Symone Barkley, Manager of Education Programs, [National Aquarium](#)

Donald Belle, Environmental Outreach Educator, [Prince George's County Public Schools Schmidt Center](#)

Venicia Ferrell, Research Associate, [The Center for Educational Partnerships, Old Dominion University](#)

Sarah Field, Senior Curriculum Manager, [PBLWorks](#)

Jeff Remington, NSTA STEM Ambassador, STEM Educator, [Palmyra School District](#)

Session 2: Empowering a Climate-Ready Generation (Organizers & Speakers)

Involving K-12 students in Local Climate Action & Policy

Brett Branco, Director, [Science and Resilience Institute at Jamaica Bay \(Brooklyn College\)](#)

Emily Fano, Senior Education Manager, [National Wildlife Federation](#)

Jen Kretser, Director of Climate Initiatives, [The Wild Center](#)

Carrie McDougall, Senior Education Program Manager, [NOAA Office of Education](#)

Joaquin Murrieta-Saldivar, Cultural Ecologist, [Watershed Management Group](#)

Sarah Schoedinger, Senior Education Program Manager, [NOAA Office of Education](#)

Incorporating Climate Justice into Curriculum and Programming

Lindsey Kirkland, Climate Change Education Manager, [Climate Generation](#)

Taylor Morton, Director of Environmental Health and Education, [WeAct for Environmental Justice](#)

Abby Randall, Deputy Director, [EcoRise](#)

Ava Winters, Intern, [Youth Environmental Activists Minnesota](#)

Building Career Awareness to Support the Green Economy

Tammy Diedrich, Manager of Internship and Business Programs, [Anne Arundel County Public Schools](#)

Laura Fridirici, Special Consultant to the Secretary of Education for Career Readiness, [PA Department of Education](#)

Brittany Jayroe, Program Director, [ecoRise](#)

Bart Merrick, Education Coordinator, [NOAA Chesapeake Bay Office](#)

Integrating Environmental Literacy into Community College and Career and Technical Education Programming

Allison Diehl, Director of the Clean Energy Center, [Pennsylvania College of Technology](#), aad1@pct.edu

Dr. Joe Fullerton, Principal, [Pickering Technical College High School](#), JoeFul@cciu.org

Judd Pittman, Special Consultant to the Secretary of Education for STEM, [Pennsylvania Department of Education](#)

Lisa Stoner, CTE Policy Advisor Delaware Department of Education, [Delaware Department of Education](#)

Increasing Diversity in Youth Leadership and Corps Programs

Susie Creamer, Executive Director, [Patterson Park Audubon Center](#)

Dalia Dorta, Latinos Program Director, [Environment for Americas](#)

Brittany Omoleye-Hall, Education Specialist, [U.S. National Park Service](#)

Joseph Toolan, Outreach and Education Program Assistant, [Chesapeake Bay Trust](#)

Teaching Science and Engineering Practices using STEM and Environmental Literacy

Kirsten Jackson, Environmental Literacy Specialist, [Maryland State Department of Education](#)

Tonyea Mead, Science Education Associate, [Delaware Department of Education](#)

Jean Moon, NGSX Principal Investigator, [TideMark Institute](#)

Chris Zieminski, Pathway Developer, [NGSX](#)

