

From Principles to Practice: New Resources for Teaching Climate Education**January 23, 2025****Link to the recording:** <https://www.youtube.com/watch?v=tSkTSfSgiYg>**eePRO post:** <https://eeepro.naaee.org/learning/principles-practice-new-resources-teaching-climate-education/>**Speakers:****Frank Niepold, NOAA's senior climate education program manager****Dr. Bora Simmons, director of the Project for Excellence Program of NAAEE****Michael Kozuch from MIT's climate education group.****Judy Braus, Executive Director, NAAEE****Carrie Albright, Communications and Data Specialist, NAAEE****Frank Niepold and the NOAA Climate Literacy Guide**

- Climate Literacy: Essential Principles for Understanding and Addressing Climate Change. <https://www.climate.gov/teaching/climate>
- "Draft Transformative Skills Guide: Expanding the Definition of Climate Literacy" at <https://drive.google.com/file/d/1YK-GwW57s4mq9nkQFKBh-VF3mFblu36D/view?usp=sharing>
- 2024 Climate Literacy Principles <https://cleanet.org/clean/literacy/addressingclimate/index.html>
- Frank Niepold: NOAA works on supporting educators through these partnerships; CLEAN Network <https://cleanet.org/clean/community/index.html> and the Teach Climate Network (<https://climategen.org/teach-climate-network/>)
- Frank Niepold: Here is a list of all the contributors that contributed to the 2024 Climate Literacy Guide; <https://www.climate.gov/teaching/climate/contributors>. This was a very large effort with a wide diversity of perspectives and experiences to the guide. Climate is a driver to most of the U.S. government agencies in significant ways. Most are unaware of this deep and sustained work over decades.
- Frank Niepold: Climate Literacy and Energy Awareness Network (CLEAN) Portal; <https://cleanet.org/>
- Frank Niepold: The CLEAN Collection of Climate and Energy Science resources—high-quality, digital resources—including learning activities, visualizations, videos, and short demonstrations/experiments—geared toward educators of students in secondary through undergraduate levels. Guidance in Teaching Climate and Energy Science pages designed to help educators understand and be equipped to teach the big ideas in climate and energy science. The CLEAN Network is a community of professionals committed to improving climate and energy literacy.
- Frank Niepold: Fifth National Climate Assessment (NCA5) Teaching Resources; <https://cleanet.org/clean/literacy/tools/nca.html>

Bora Simmons and the Guidelines for Excellence

- Download the Climate Action and Justice Guidelines for free:
<https://eepro.naaee.org/resource/guidelines-excellence-series>
- Learn more about the Guidelines for Excellence:
<https://naaee.org/programs/guidelines-excellence>
- Guidelines for Excellence: Community Engagement
<https://eepro.naaee.org/community/blog/community-engagement-guidelines-excellence>
- The article Bora referred to on Climate Justice:
<https://www.sciencedirect.com/science/article/pii/S1462901124003101?via%3Dihub>
- You can get a print copy here
<https://www.acornnaturalists.com/products/naaee.html>

Michael Kozuch, MIT's CATE program

- More information about CATE can be found at <https://cate.mit.edu/>
- The starting point for reviewing MIT CATE curriculum → <https://cate.mit.edu/our-curriculum/> (So many free trainings and materials!)
- If you'd like to connect with the program, please reach out to cateprogram@mit.edu
- Shared article about working across the aisle:
<https://www.fastcompany.com/91264697/these-young-conservatives-want-the-gop-to-take-climate-action-but-it-doesnt-look-like-you-d-expect>
- Explore climate solutions with this MIT program which adapts to high school and college very well (as adults) and is in the Citizens Climate Lobby adaptation for middle school MIT program is <https://www.climateinteractive.org/>

Shared Resources

- sian carvell: Aotearoa New Zealand Climate Education programme aimed at supporting children and young people aged 10–15 years old and their educators
<https://www.nzaee.org.nz/resources/climate-change-learning-programme>
- Barbara Watts: That existing program is
<https://youth.citizensclimatelobby.org/resources/curriculum/>
- Christine Zack: If you are in CA and need examples of how youth can be involved in civic action, check out <https://www.svyouthclimateaction.org/>
- Sarah Johnson: And if you're in Colorado, check out and help us mobilize high school youth for the brand new Colorado Youth Climate Summit!
www.COYouthClimateSummit.org
- Emily Fano: Grateful to hear about other statewide and federal policy efforts. We're engaging students in New York in lobbying for climate education at the state level: <https://www.cretf.org/youth>
- sian carvell: this is a short film about children and young people participation in cc decision making (New Zealand), and the value/impt of cc education in empowering participation https://youtu.be/GWeG_UEMf-E
- Dennis Nolasco: This year, the theme at EARTHDAY.ORG is "Our Power, Our Planet" which is all about renewable energy. We have a guide that teaches

students about all different types of renewable energy here:

https://www.earthday.org/wp-content/uploads/2024/11/Education-Package_Middle-School-Guide_v3.pdf

- Heather Phelps: This is a youth climate conference that's been happening in Madison, WI, for 4(?) years now: <https://www.theconnectiondane.org/webinar-registration> Students have been a major part of organizing it and we've been getting more attending every year!
- Heather Phelps: Renew Our Schools is a program we love here in WI but also runs in other states – schools compete to see which can reduce their energy consumption the most over the course of a six week competition: <https://resourcecentral.org/renew-our-schools/>
- Corey Chan: Bay Area (California) Youth Climate Summit: <https://www.baycs.org/>
- Bora Simmons: You may want to look at CAPE – Community Action Projects for the Environment. It was originally developed for Extension youth programs, but can work elsewhere. Here's a link <https://programs.ifas.ufl.edu/cape/>
- Erin Mongiello: Increasing access to impactful environment-based learning for all of California's TK-12 students <https://ca-eli.org/>
- Heidi Plumb: Here's a clickable link to CA-ELI – <https://ca-eli.org/>
- Akilah Lewis: Sharing education resources from the NYC Department of Environmental Protection regarding Climate Change. <https://www.nyc.gov/site/dep/environment/climate-change-education-module.page>
- Frank Niepold: This Yale tool is really important for knowing your audiences; <https://climatecommunication.yale.edu/visualizations-data/ycom-us/>
- Heather Phelps: Climate Gen has some great curriculum, including resources for younger elementary: <https://climategen.org/resources/>
- Corey Chan: SEI is an environmental nonprofit consultancy that builds leaders to accelerate climate solutions and has a lot of curriculum and resources <https://www.seiinc.org/>
- Heather Phelps: <https://climategen.org/resources/938/experience-energy-for-grades-38/>
- Frank Niepold: These CLEAN Network's Climate Mental Health: Beyond Gloom and Doom: How to Teach Climate Change Towards Empowerment pages are very helpful; <https://cleanet.org/clean/literacy/tools/empowerment/index.html>
- Akilah Lewis: <https://subjecttoclimate.org/>
- Frank Niepold: Consider visiting the Climate Mental Health Network for more resources and strategies to support Climate Mental Health. <https://www.climatementalhealth.net/>
- Mollie Theis: <https://www.climatepsychologyalliance.org/index.php/find-support>
- Sarah Johnson: I'm one of the new moderators of this eePro group... please join us!! <https://eepro.naaee.org/community/groups/climate-change-education>

eeWEBINARS: Bringing New Ideas and Innovation to the field of Environmental Education

- Dennis Nolasco: Many resources for educators, guides, and petitions on our climate education webpage: <https://www.earthday.org/campaign/climate-environmental-literacy/>
- Megan Fink: <https://naaee.org/programs/coalition>
- Carrie Albright, NAAEE Staff: eePRO has many professional groups, including Climate Change Education. We encourage you to join!
<https://eeepro.naaee.org/community/groups>
- Megan Fink: <https://eeepro.naaee.org/climate-education-policy-toolkit>
- Sarah Johnson: There's a discussion forum ready for everyone to keep this conversation going here on eePro
<https://eeepro.naaee.org/community/groups/conversations-climate-change-education/continue-discussion-todays-ee webinar-jan-23>
- Frank Niepold: One bright spot for engagement;
<https://www.wildcenter.org/our-work/youth-climate-program/>
- Megan Fink: <https://earthforce.org/about-us/>
- Frank Niepold: <https://www.noaa.gov/office-education/bwet>
- Megan Fink: <https://www.noaa.gov/sites/default/files/2022-09/MWEE-Guide.pdf>
- Gregory MacDougall: MWEE <https://www.noaa.gov/education/explainers/noaa-meaningful-watershed-educational-experience>
- Megan Fink: <https://eeepro.naaee.org/learning/eelearn/eelearn-6-mwee-101>