



CONNECTICUT SCIENCE CONNECTION

November 2021

THE CONNECTICUT SCIENCE CONNECTION IS SUSTAINED THROUGH THE ADVOCACY OF THE CONNECTICUT SCIENCE SUPERVISORS ASSOCIATION, CONNECTICUT SCIENCE TEACHERS ASSOCIATION, AND CONNECTICUT ACADEMY

Editor Eloise Farmer and contributors contact loisef302@gmail.com



Professional Development Opportunities! Are you interested in some distance learning ideas?

This may help you to get through the difficult times we are experiencing. Visit [CSTA.wildapricot.org](https://csta.wildapricot.org) and click on Opportunities. You will not be disappointed.

Contact us if you have questions.

<https://csta.wildapricot.org/>

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Join the CSSA! www.cssaonline.org

All Teacher leaders welcome You do not have to be in a formal Supervisor Position, but should be interested in helping keep your colleagues informed on the latest in science education. At this time, we hope to provide support to teachers in a leadership situation.

BOOKMARK THIS SITE!

The Connecticut State Department of Education wants to provide valuable resources to the field and is continually working to make these resources easy to find in one central location. The CTCoreStandards.org website will no longer be operational. All of these resources have been moved to the CSDE website at <https://portal.ct.gov/SDE>. They can be accessed under K-12 Education, Academics, CT Core Standards.

<https://portal.ct.gov/SDE/CT-Core-Standards>.

<https://www.youtube.com/kids/>

[Connecticut Academy of Science and Engineering](#) has a new website! We invite you to see our updated web presence, and explore members, news, and a Call for Applications for a new fellowship focused on Building Decarbonization. See the website: <https://ctcase.org/> and Sign up for e-news: https://bit.ly/CASE_e_news

#CASE #ScienceandEngineering #yale #UConn #BioCT #StateofCT #Connecticut

CSSA Dinner Meeting in Person!

December 8th from 5:00 – 8:00 pm at the Sheraton Hartford South Hotel, 100 Capital Blvd, Rocky Hill, CT. Please check the CSSA web site for updated details and to register for the meeting.

We are looking forward to this opportunity for in-person collegiality. The PD portion of the evening will focus on getting back to in-person learning. We will be making the PD portion available online for those unable to attend the dinner.

[COV-Ed Website: A Partnership between Yale School of Medicine and CT State Department of Education](#)

Variants of the virus called COVID-19 loom over us like a menacing force, and here you will find the tools to make a difference for yourselves, for your families, and for your communities. In this on-line learning tool, follow the story of 3 high school students as they encounter the pandemic. Learn how COVID-19 works, why it spreads, and what you can do to help contain it. Run the same simulation tools that experts in the field are using, learn to draw conclusions from data, and explore potential solutions even as you build the skills to help prevent pandemics in the future. [COV-Ed Website description](#)

The 2021-2022 PAEMST Application Cycle is Now Open! The 2021–2022 nomination and application cycle for the [Presidential Awards for Excellence in Mathematics and Science Teaching \(PAEMST\)](#) program has opened. We need your help to identify great teachers for the current application cycle. Teachers have had a couple of really tough school years. They have innovated their lessons, developed new ways of delivering their teaching, and adapted their processes multiple times. They deserve recognition for the amazing work that they bring to your community. As you know, PAEMST are [the nation's highest honors for teachers](#) of STEM. Presidential Awardees receive a certificate signed by the President; a trip to Washington, D.C., to attend a series of recognition events and professional development opportunities; a \$10,000 award from the National Science Foundation; and join a cadre of over 5,100 award-winning teachers. You can learn about our most recent awardees [here](#). We hope you will consider nominating a talented teacher using the [PAEMST website](#) today. The 2021–2022 nomination deadline is January 7, 2022, and the application deadline is February 6, 2022.

In addition, you can help spread the word about PAEMST and the cycle opening by sharing it on social media. Feel free to use [attached sample language](#).

Should you have any questions about the program or the nomination process, please contact info@paemst.org or 855-723-6780.

Registration Now Open!

Equity in Science Education:
NGSS For All Students (Secondary)

Join us for a two-day blended learning workshop that exposes participants to current student achievement in science, addresses how biases impact instruction, and uncovers how the Next Generation Science Standards (NGSS) can support removing barriers and help all students achieve success.

By the end of the workshop, participants will:

- Have a stronger understanding of their how biases impact student success
- Learn how to address these biases within their classroom

NGSS for All Students

edited by: Okhee Lee, Emily Miller, and Rita Januszyk

WORKSHOP EXPECTATIONS

- Participants will be expected to complete 1-2 hours of individual work between sessions through our online learning platform, Canvas.

Note: Optional text, "NGSS For All Students" can be purchased here.

<https://my.nsta.org/resource/99134>

EVENT DETAILS

Date: 1/24 & 1/25

Time: 8:30-11:30 am

Cost: \$125

Location: Virtual

Register to attend

<https://www.protraxx.com/Scripts/EzCatalogny/ViewClass.aspx?ID=407151&CustomerID=128>

Participants will receive a confirmation email after registering for the workshop.

For workshop information,

email Meg Hanly at mhanly@crec.org.

David Vernot is a science curriculum Consultant in Ohio. He has kindly agreed to allow us to share the information below that he posted on the NSTA NGSS list, a compilation of advice for a CCC teacher PD.

10/28/2021

Compiled by David Vernot --

dvernot@gmail.com

Responses are anonymized unless author's name is needed for context.

"I'm doing a voluntary Zoom webinar for about 1/2 dozen Ohio middle and high school teachers. Ohio is not an NGSS state, so I want to spend 45 minutes with a goal of seeing that the CCCs can be a powerful framework for secondary students, along with walking away with some tools to use the next day. I plan to use the STEM Teaching Tool #41 - Prompts for Integrating Crosscutting Concepts into Assessment and Instruction. I don't want to overwhelm them with too much too fast. If you had 45 minutes with secondary teachers new to the CCCs, how would you use the time, what would your goals be, and what resources would you use? Thanks as always!" --David Vernot, PhD -- curriculum consultant,

Butler County Educational Service Center, Hamilton, Ohio

Science Education Council of Ohio (SECO), District IX Director

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"NOTE: Here is a link to [my presentation](#) and accompanying [shared notes & resources](#). There were three middle school teachers who Zoomed in for it -- but worth the doing -- and a wonderful opportunity to curate such great ideas from this wonderful email list!"

(Next newsletter issue will have more links from David. Many thanks!)

JASON Learning Announces its [Annual Recycling Contest: Recycling for Sustainability](#) - Making a Difference to Our Climate, K-12 - Submissions due

December 17th! STEAM-based PBL and opportunities for students to address how Human Activity affects planet earth. Be part of this year's recycling contest. Grand prize winner is flown with a family member to ISRI's National Convention in Las Vegas in March! Contest Submissions due December 17th! Visit Contest

Page: <https://jason.org/2021-22-recycling-video-poster-contest/> There is no fee for entering the contest.

Engaging and Empowering Students Through Choice: Choice boards are one of the simplest ways to implement voice and choice in the classroom by exposing students to a range of topics that extend their learning or provide various performance task options for the same concept or standard.

Skills21 at EdAdvance is excited to announce the third year of an opportunity for high school teachers interested in the intersection between STEM subjects and Augmented Reality. With support from the National Science Foundation, Skills21 is recruiting a cohort of STEM area high school teachers this year who want to engage their class in using Augmented Reality (AR). Biology or chemistry teachers will pilot a curriculum unit that incorporates AR apps and design. Interested teachers should contact Liz Radday (radday@edadvance.org) or Matt Mervis (mervis@edadvance.org).

Keep track of Connecticut's Environmental Activities! [Subscribe to 'Trillium'](#) (You will be prompted to enter your e-mail address and then be directed to a web page where you can sign up for Trillium and/or other DEEP Newsletters.) Each time the newsletter is sent out, you will receive instructions for making modifications to your subscription including how to unsubscribe.

