Do you know a great teacher of science in Connecticut? Someone who really reaches, encourages, and inspires students and helps fellow teachers to do the same? A colleague or even yourself?

Apply for the CSTA Excellence in Science Teaching Award.

Deadline for nominations is Friday, November 22, 2017. This award is bestowed on teachers who have not only demonstrated excellence in classroom science teaching, but who have also contributed professionally by providing workshops and/or other support for colleagues, have demonstrated dedication to personal and professional growth by participating in conferences and workshops, and have been productive participants in extra-curricular activities and community projects.

The Connecticut Science Teacher Association gives three 'Excellence In Science Teaching' awards each year: Elementary, Middle School, and Secondary.

These awards recognize and honor teachers who epitomize the highest ideals of the teaching profession by:

- Being effective and innovative classroom teachers of science
- Serving as role models for colleagues and providing outreach to colleagues through workshops, publications, school-wide projects, or special events.
- Demonstrating a genuine commitment to personal and professional growth (life-long learning) by attendance and active participation at conferences, workshops, graduate courses, and in-service sessions.
- Reaching out beyond their classrooms and using their knowledge and talents in community service programs and projects.
- Teaching Experience: At least five years of successful science teaching.

Nomination: By one or more current members of CSTA or CSSA, or by self-nomination.

Approval: By a 90% vote of Award Committee members (preferably, and usually by unanimous acclamation).

Award: A commemorative plaque, a $500 monetary award, and dinner for the awardee and a guest of his/her choice at the annual award banquet.

For additional information please contact Dr. Ralph Yulo Jr.
Phone: 860-974-0599 or by email: oluy@aol.com or go to http://www.csta-us.org/awards_nominations.htm

Please check the criteria for the EST awards before nominating

**************************************************************************************************

Nomination:
- Teacher who has demonstrated excellence in classroom science teaching.

By a 90% vote of Award Committee members (preferably, and usually by unanimous acclamation).

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In Science Teaching' awards each year: Elementary, Middle School, and Secondary.

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2017
Outstanding Biology
Teacher
Award Ceremony
Honoring
Janet Belval
South Windsor High
School
Friday, November 17th
6:30-8:30pm
The Jackson Laboratory
for Genomic Medicine
Farmington, CT

RSVP
https://goo.gl/forms/E0It0aqET6 RuqoF3

Seminar: Innovations in
Genome Technologies
Advancing Cancer Genomics
Alyssa Lau, The Jackson
Laboratory for Genomic
Medicine
Reception and Student Poster
Session immediately following the
Ceremony- Please let me know if
you have student researchers who
would like to present. The
research does not have to be
genome related.

Next Generation Science
Standards
https://spaceplace.nasa.gov/me
nu/parents-and-
educators/science Fair Project
Ideas

Black Bears In Connecticut:
When, Where, And How Many?
Dr. Tracy Rittenhouse,
Department of Natural Resources and
the Environment, UConn
Saturday, December 2, 1 pm
Biology/Physics Building, Room 130,
UConn, Storrs, CT. No registration
required – FREE

Uncovering Connecticut’s Past:
Recent Discoveries from the Office of State Archaeology
Dr. Brian Jones, State Archaeologist, Museum of Natural History, UConn .
Saturday, December 9, 3 pm – Biology/Physics Building, Room 130, UConn, Storrs,
CT. No registration required – FREE

UConn’s Edwin Way Teale Lecture Series
on Nature & the Environment
Mining the Mountains – The Environmental Legacies of Coal Mining in Appalachia
Dr. Emily Bernhardt, Department of Biology, Duke University
Thursday, October 19, 4 pm – Konover Auditorium, Dodd Research Center, UConn,
Storrs, CT
In this talk, Dr. Bernhardt will describe this long-term effort to quantify the cumulative
environmental impacts of this ecoregion have been converted to active, reclaimed or
abandoned surface mines. . She currently serves as the president of the Society for
Freshwater
this Mountaintop removal coal mining is the dominant form of land cover change
http://www.cese.uconn.edu/teale.html - 860.486.4460

The Edwin Way Teale Lecture Series brings leading scholars and lectures on
nature and the environment. Science, an international scientific society devoted to
promoting the study of surface waters. in the Central Appalachian Mountains. No
registration required – FREE scientists to the University of Connecticut to present
public

The New York Academy of Sciences is proud to announce the release of its new
Innovation Curriculum, a free resource to engage middle and high school students
in authentic project-based learning!
Aligned to Next Generation Science Standards, this flexible curriculum teaches
students how to solve challenges facing their communities—and communities
around the world—by applying principles of scientific research and design thinking.
Along the way, students will build STEM knowledge and develop 21st-century skills
like critical thinking, creativity, collaboration, and communication.

Use the materials to support students competing in the Future of Buildings and
Cities Challenge starting October 19, or run a challenge of your own!

Download the Curriculum: This FREE resource is available in two forms.
Classroom Model: designed to be implemented over 8–10 weeks, with in-class
lessons (approximately 1–2 hours per week) and assignments for students to
complete outside of class
Workshop Model: packaged as an intensive 1–2 day session, similar to a “hack-a-
thon”
The following announcements are thanks to Ron Michaels at the State Department of Education: Please peruse opportunities throughout the state in the SCIENCE content area.

1. NGSS CSDE/CT Science Center Live Election Day 2017 Science PD event on November 7, 2017
2. Professional Learning Opportunities with our partner the CT Science Center including new workshops designed specifically for Administrators
3. CT Science Educators Annual Conference (CSTA/CSSA) Saturday, Nov.18, 2017 @ Hamden MS
4. JASON Learning opportunities
5. Connecticut Invention Convention (CIC) Educational opportunities

The live session will run from 8:15 a.m. to 9:15 a.m. on Tuesday, November 7th. Live participation is limited and cannot be guaranteed. Request a reservation at https://fastfor.ms/8E932. If you cannot participate live, a recording will be posted shortly afterward at https://academy.ctsciencecenter.org. Anyone can submit questions in advance at https://www.surveymonkey.com/r/CTNGSSQuestions.

2. Professional Learning with our implementation partner CT Science Center

Next Gen Science Exemplar System Part I (NGSX)
- Hands-on, Expert-facilitated, Intro to 3-D learning/teaching
- 6 module series over 4 ½ days
- Tuition based (fixed costs)
- 36 hours of seminar-style instruction/participation
- Plans for several more “cohorts” have been announced

NGSX Part II Taking it Back to the Classroom
- Hands-on, Expert-facilitated
- Focus on support of 3D learning sequences with instructional materials
- Possible grant funding available
- 24 hours of seminar-style learning (pre-req. Part I)
- Plans for several opportunities during 2017-2018

PLANS - Principals Learn About, Network, and Support 3-Dimensional Science Learning
- Awareness PD designed for Administrators/Evaluators
- Expert facilitated
- 1 1/2 days

The link is as follows: https://ctsciencecenter.org/education/mandell/ngsx-info/

3. CT Science Educators Annual Conference (CSTA/CSSA) Saturday 11/18/17 @ Hamden MS

4. JASON Learning opportunities

Open Access to JASON Programs for Public School Educators & Students in Connecticut Through 2018

JASON Learning is a nonprofit whose mission is to inspire and educate students everywhere through real science and exploration. JASON offers hands-on labs, digital simulations and games, articles, videos, interdisciplinary connections, and powerful classroom management tool for teachers. Explore earth science, forces & motion, energy, climate, recycling, ecology, environmental science, oceanography, weather, wetlands and more. Register at www.jason.org/ct using your school email address for free access to JASON’s award-winning curriculum. Also visit our NGSS page: http://www.jason.org/ngss for guidance on what resources best support NGSS and lesson planning and classroom tools.

NEW! Two-part Series: Resources and Tools for an NGSS Curriculum & Problems of Practice (Recommended for middle school) Getting ready to or already designing your NGSS units of instruction? These two-part workshops will help educators build capacity to implement NGSS pedagogy, be introduced to resources, tools, and strategies that can be included in NGSS units of instruction, and pilot lessons and activities with opportunities to ask new questions, share out challenges, successes, and recommendations with a network of peers. Although selected investigations and resources from specific JASON curricula will be used to illustrate strategies and pedagogy, ideas and tools will be transferrable to other resources educators may be working with. During Day 1 of each program, participants will experience selected three-dimensional investigations and will resources, explore key JASON-NGSS teacher tools, and locate additional candidate resources for inclusion in NGSS units of instruction. Educators will take away actual lessons, ideas and strategies to use and pilot with students in the classroom. During Day 2, educators will share their experiences using the resources, successes and challenges, and tips and strategies for integrating them into larger NGSS units. Sessions will also include strategies for connecting lessons and resources to other science disciplines through PE bundles. Participants must attend both dates. Three programs will be offered in 2017-18. Full descriptions coming soon at www.jason.org/ct.

JASON Basics – One Hour Live Webinars for Connecticut 3:00 – 4:00p.m. Choose one: Thursday, November 9, 2017  Wednesday, January 10, 2018  Tuesday, March 6, 2018

Are you unsure of how to take full advantage of the free resources provided by JASON Learning? We understand the challenges of learning and implementing new lessons, especially when time is a limiting factor. Come join us for a one hour live webinar, customized for educators and administrators in Connecticut to walk-through the “basics” of the JASON site navigation, key teacher tools, and tips on how to find what you’re looking for to support instruction. This includes a 10-15 Q & A so educators can get the help they need to get started or continue using these resources. Register at www.jason.org/ct.

JASON Releases New Curriculum – World of Waves – Mission 1 online by October 1

Watch Promo video at https://drive.google.com/file/d/0Bz8yoOUPBg9xZFFuaHdyczRwSXM/view

World of Waves is an innovative, career- and practice-focused middle school physical sciences curriculum, designed to build a deep, working understanding of the physics of waves and their importance in our world.

Students explore how sound, light and other electromagnetic waves are involved in engaging real-world phenomena, like surfing in the ocean, animal communication, and mobile networks. Through immersive, hands-on learning experiences gain:
· Foundational content knowledge and insights into expert applications of waves
· Critical and design thinking skills · Data and modeling skills · Experience with coding and engineering applications.

Inspire Girls to Pursue STEM Careers!

Program Spotlight: STEMfems

In this program, students use the Inquiry Arc to explore compelling questions relating to women in STEM. Students begin by exploring their own thoughts, feelings, and questions about women in STEM. They then examine the stories of successful Connecticut women in STEM fields, using their stories as case studies to explore the tension between the overwhelming obstacles that women in the field face and women’s simultaneous ability to overcome these obstacles and contribute greatly to the field. The program concludes with a look at media bias against women in STEM and an exploration of how girls might overcome barriers in their own lives. Fill out our request form and book this program for your school today!
Connecticut Science Educators Conference - Saturday, November 18

Register

Exhibitor Information

Paul Andersen - Keynote Speaker

More information: BozemanScience.com

NGSS videos

YouTube Channel

What Is Science Matters? Science Matters is an initiative by the National Science Teachers Association (NSTA) to bring content, news, and information that supports quality science education to parents and teachers nationwide. Science Matters builds on the success of the Building a Presence for Science program, first launched in 1997 as an e-networking initiative to assist teachers of science with professional development opportunities. Building a Presence for Science—now Science Matters—reaches readers in 34 states and the District of Columbia. Why does Science Matter? Science is critical to understanding the world around us. Most Americans feel that they received a good education and that their children will as well. Unfortunately, not many are aware that international tests show that American students are simply not performing well in science when compared to students in other countries. Many students (and their parents!) believe that science is irrelevant to their lives. Innovation leads to new products and processes that sustain our economy, and this innovation depends on a solid knowledge base in science, math, and engineering. All jobs of the future will require a basic understanding of math and science. The most recent ten year employment projections by the U.S. Labor Department show that of the 20 fastest growing occupations projected for 2014, 15 of them require significant mathematics or science preparation to successfully compete for a job. This is why Science Matters. Quality learning experiences in the sciences—starting at an early age—are critical to science literacy and our future workforce. Feel free to publish this information in school newsletters and bulletins, and share it with other parents, teachers, and administrators.