

**THE CONNECTICUT BUILDING A PRESENCE FOR SCIENCE NETWORK IS SUSTAINED THROUGH THE ADVOCACY OF THE CCAT, CONNECTICUT SCIENCE SUPERVISORS ASSOCIATION, THE CONNECTICUT SCIENCE TEACHERS ASSOCIATION, AND THE CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING**

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**NAMES AND E-MAIL ADDRESSES OF OUR POINTS OF CONTACT AND KEY LEADERS ARE NOT SHARED WITH ANY OTHER ENTITY**

Professional Development Opportunities! Are you interested in high quality, low cost, Teacher Professional Development opportunities? Visit the [CSTA website](#) and click on Opportunities. You will not be disappointed. Contact us if you have questions.



Click on the link to learn more about JPSS! <https://scijinks.gov/subscribe/>

**Green Teacher** Green Teacher has recently launched a YouTube Channel. In time, we hope this will grow into a valuable resource for educators. <https://greenteacher.com/check-out-these-videos/>



**Join the CSSA**

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**Connecticut Science Teachers Association Sponsored Events**

more information and registration links at <https://www.csta-us.org/events>



Residential Summer Workshops at the University of Connecticut's School of Engineering: *The daVinci Project*, July 9-13, 2018

Introducing our students to engineering is a national need. Most students love to be creative and to connect academics to the real world....this is what engineers do while making technologies that solve serious world problems. The UConn School of Engineering is holding its 19<sup>th</sup> annual daVinci Project. It is a weeklong (Mon-Fri) residential series of hands-on workshops for middle and high school science and math teachers. This year it's being held July 9-13th. Teachers live on campus and participate in one of 9 very engaging workshops, as well as many other seminars, a variety tours through research labs, our state of the art water reclaim and wastewater facilities, and our CoGen plant. Come and be part of an exciting week of exploration! **We have 35 fellowships available.** Please share this professional development opportunity with the other STEM teachers in your school or district.

An on-line 2018 application and more information can be accessed at <http://edoc.engr.uconn.edu/davinci/>  
**Registration deadline: June 15, 2018.**

Confirmation will be sent after your registration is received. If you have questions or need further information please contact us at [engr-edpsw@uconn.edu](mailto:engr-edpsw@uconn.edu) or 860-486-5536.

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The following workshops are offered for July 2018:

1. **NEW!** [Innovative Underwater Robotics for STEM projects](#) – 8 Fellowships available
2. **NEW!** [From Geometry to Algorithms](#) – 4 Fellowships available
3. [Basic Arduino® Programming for STEM Projects](#) – 2 Fellowships available
4. [Understanding Pain: Sensory and emotional stimulus to your brain](#) – 2 Fellowships available
5. [Bioinformatics: Using Computer Science to Understand Life](#) – 3 Fellowships available
6. [Low Cost Solar Cells](#) – 2 Fellowships available
7. [Air Quality and Health: Building an Air Pollution Measurement Device with an Arduino®](#) – 2 Fellowships available
8. [Robots: Use in Industry and Elderly Assistance](#) – 2 Fellowships available
9. [Mathematical Optimization with Applications to Smart Grid and Intelligent Buildings](#) – 10 Fellowships available

**It's CSTA Grant time again....**  
<https://www.csta-us.org/grants>

## LONG ISLAND SOUND STUDY

A PARTNERSHIP TO RESTORE AND PROTECT THE SOUND

### Long Island Sound Mentor Teacher applicants sought

Connecticut Sea Grant is accepting applications for four Long Island Sound Mentor Teachers (LISMT) for the LISMT program in Connecticut. Pairs of teachers from each of the following grade-level bands are encouraged to apply: K-8 and 9-12.

Each grade-level specific pair will work together to plan and execute a one day professional development session for their peers. Workshops will take place in Connecticut. There is funding for each pair to provide an outdoor component as part of the session. Each teacher will receive a stipend (\$40.00/hour for 35 hours = \$1,400 stipend per teacher).

LISMT positions are open to current Connecticut K-12 teachers.

The Long Island Sound Mentor Teacher (LISMT) program is sponsored by Connecticut Sea Grant and funded by the US EPA Long Island Sound Study. Program goals are to promote the use of Long Island Sound educational resources and to promote the interdisciplinary use of the Long Island Sound watershed and its resources in K-12 classrooms.

Ready to apply? Complete the application form below.

- For information regarding previous LISMT workshops, please visit: <http://longislandsoundstudy.net/get-involved/teaching-resources/mentor-teacher-program/>
- Please become acquainted with the Long Island Sound Curricular Resource Guide, developed by LISMT: <https://seagrant.uconn.edu/2010/03/02/long-island-sound-curricular-resource-guide/>

Questions? Please contact Diana Payne, Education Coordinator, at [diana.payne@uconn.edu](mailto:diana.payne@uconn.edu)



Many thanks to Ron Michaels at the Connecticut State Department of Education for this

excellent summary of upcoming science professional development activities :

1. Professional Learning Opportunities with our implementation partner the CT Science Center including two new workshops. One designed specifically for Administrators, and the second to develop NGSS Implementation plans for School district decision makers.
2. Science Lab and safety PD opportunities
3. JASON Learning opportunities
4. Connecticut Invention Convention (CIC) Educational opportunities

**1. Professional Learning with our implementation partner CT Science Center**

**PLANS - Principals Learn About, Network, and Support 3-Dimensional Science Learning**  
<https://ctsciencecenter.org/education/mandell/ngsx-info/>

- Awareness PD designed for Administrators/Evaluators
- Expert facilitated in 1 1/2 days. More opportunities planned for 5/30-31, 7/18-19, 8/21-22, 9/12-13-18.

**NGSX Part II Taking it Back to the Classroom**  
<https://ctsciencecenter.org/education/mandell/ngsx-info/>

- Hands-on, Expert-facilitated, Focus on support of 3D learning sequences with class materials
- Possible grant funding available. 24 hours of seminar-style learning (pre-req. Part I)
- Check link for several opportunities during the remainder of 2018

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

**NABT BSCS SUMMER WORKSHOP**

**JULY 29TH- AUGUST 3RD, 2018**

**LOCATION: WOODSTOCK ACADEMY, WOODSTOCK CT.**

Registration Fee: \$425 (housing available for an additional fee)

Teachers, are you ready to transform your teaching? Come join us this summer to:

- Learn about research-based strategies to enhance pedagogical knowledge focused on increasing student's conceptual understanding of Biology
- focus on integrating the NGSS for Life Sciences and AP Biology Framework into your curriculum
- work collaboratively to analyze and enhance current curriculum to better reflect the Big Ideas and unifying concepts in Biology
- explore Biology curriculum building, teaching practices, and assessments
- build a support network of dedicated and passionate biology teachers that will serve to support excellence in teaching . For more information or to register go to <https://ctbioteacheracademy.weebly.com/> or contact Valerie May ([vmay@woodstockacademy.org](mailto:vmay@woodstockacademy.org))



Friday night social with refreshments, dancing, and DJ.



Beautiful facility with lunch and snacks provided.



New exhibitor layout with time to browse and network.

Closing reception with refreshments and raffle.

Hotel rooms available at a discounted rate.



**Call for Presenters**

Would you like to present at this year's conference? [Click here](#) to fill out an application.

Due date for presenter applications: **June 1st**





**CONNECTICUT  
ACADEMY OF  
SCIENCE AND  
ENGINEERING**

Do you know the the Connecticut Academy of Science and Engineering is an organization that is highly supportive of Science Education and Educators? It has collaborated over the years with Science Education Organizations such as CSTA and CSSA in promoting events and in introducing science educators and students to practicing scientists and engineers . Student winners of Science Competitions in the State and Nation and their teachers are provided with a way to showcase their knowledge and talent in scientific education and to interact with CASE member scientists and engineers at their annual meeting and dinner. They are introduced and honored at this dinner meeting as they have a chance to talk and answer questions with CASE Scientists and Engineers. One comes away from these meetings feeling very impressed with the extent and variety of science in the State of Connecticut and with great respect for the dedication to learning that is demonstrated by the scientific community.

Founded in 2007, [Global Exploration for Educators Organization \(GEEO\)](#) is a 501c3 non-profit organization that has sent over 2000 teachers abroad on adventurous travel programs. With GEEO educators can earn professional development credit while seeing the

world. GEEO's trips are 7 to 23 days in length and are designed and discounted to be interesting and affordable for teachers. In addition to amazing tour leaders, many of the programs are accompanied by university faculty that are experts on the destination. The deposit is \$250 for each program and then the final payment is due 60 days before departure.

GEEO also provides teachers educational materials and the structure to help them bring their experiences into the classroom. The trips are open to all nationalities of K-12 and university educators, administrators, retired educators, as well as educators' guests.

**GEEO is offering the following travel programs for 2018:** Argentina and Brazil, Bangkok to Hanoi, Tibet, Camino de Santiago, Eastern Europe, The Galapagos Islands, Greece, Iceland, India and Nepal, Madagascar, Ireland, Armenia and Georgia, Paris to Rome, Multi-Stan, Sri Lanka and The Maldives, Morocco, Peru, Vietnam/Cambodia, and, The Balkans.

Detailed information about each trip, including itineraries, costs, travel dates, and more can be found at [www.geeo.org](http://www.geeo.org). GEEO can be reached 7 days a week, toll-free at [1-877-600-0105](tel:1-877-600-0105) between 9 AM-9 PM EST.



The Montana Learning Center at Canyon Ferry Lake is hiring certified teachers to work as camp instructors and camp counselors during their '2018 Summer Learning Camps for Kids.' <https://goo.gl/forms/DluUOEdFBa4QB3ne2>  
We offer competitive pay, room and board at the MLC during camps, a beautiful place to work, and a great staff of highly-qualified educators to work with. Please direct any questions to [MontanaLearningCenter@gmail.com](mailto:MontanaLearningCenter@gmail.com). Apply today! Travel the world affordably, earn professional development credit, and bring global understanding into your classroom!



***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.***