

CONNECTICUT SCIENCE CONNECTION

February 2018

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

State Coordinator.David Lopath lopath@comcast.net , List Moderator..Eloise Farmer eloisef302@gmail.com

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.



SciJinks E-Newsletter



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/>



Next CSSA Professional Development and Dinner Meeting
FEBRUARY 21ST Discovery Center

[Join the CSSA](#)

Connecticut Science Teachers Association Sponsored Events

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



NABT/BSCS Biology Teacher Academy

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).



Science & Engineering Colloquium for Teachers

MIT Club of Hartford, March 17, 2018

Janet Catherine Johnston, MIT Export Control Officer; Air Force Civilian Astrophysicist, Retired

- Stimulate your intellectual curiosity
- Learn how effort and preparation affect one's future
- Continue education opportunities

"From the Depths to the Heights—An Unusual Career in Geophysics"

The MIT Club of Hartford will be hosting this colloquium at Classical Magnet School in Hartford. This colloquium is open to science, mathematics and technology teachers from Southern New England and is free of charge. Each teacher is encouraged to bring motivated, interested students. Space is limited to an audience of 100 teachers and students, so register today. In addition, all attendees must have registered prior to the event.

Program: 10:00 AM – Welcome by Avi Ornstein, MIT Club of Hartford.

10:15 AM – Ms. Johnston will speak on her personal and unique experiences and the role that preparation and hard work play in one's future.

11:00 AM – Ms. Johnston will participate in a group discussion, answering questions from the audience.

11:30 AM – Everyone will participate in a group discussion of what is going on in STEM education.

12:30 PM – Ms. Johnston will have an informal discussion with students over pizza regarding these issues that will affect their future.

12:30 PM – Teachers will also be able to have pizza and will be able to have a discussion with peers and MIT alumni regarding STEM education and the impact the changes will have on their careers and their teaching environment.

The MIT Club of Hartford is counting on YOUR participation. Please set aside this date. Please contact Avi Ornstein (ornstein@alum.mit.edu) if you are interested in attending or if you desire more information.

Please share this note with other teachers who might be interested.



CALL FOR CONNECTICUT MEDAL OF TECHNOLOGY NOMINATIONS – DUE DATE:

March 9, 2018 – 4:00 p.m. EST

For your information and your assistance in publicizing/distributing

In 2018, the Connecticut Medal of Technology, Connecticut's highest honor **for technological achievement in fields crucial to Connecticut's economic competitiveness**, will be awarded.

This Medal recognizes an individual, a team, a company/non-profit, or a division of a company/non-profit for outstanding contributions to the economic, environmental and social well-being of Connecticut and the nation through the promotion of technology, technological innovation,

or the development of the technological workforce. Modeled after the National Medal of Technology and Innovation, the award is bestowed in alternate years with the Connecticut Medal of Science.

Selection of the annual Medalist is overseen by the Connecticut Academy of Science and Engineering. Medal recipients will be permanently featured in a Hall of Fame at the Connecticut Science Center.

To find:

1. Call For Nominations (pdf) that includes nomination criteria and instructions
2. 2018 CT Medal Nomination Form

Go to www.cssaonline.org and look for CASE.

Nominations are due by Friday, March 9, 2018 by 4:00 p.m. EST.

Richard H. Strauss

Executive Director

Connecticut Academy of Science and engineering

rstrauss@ctcase.org, 860-571-7135



PennState
College of Education

CSATS

Center for Science
and the Schools

A workshop we have occurring this summer at UC Davis in conjunction with Penn State Center for Science and the Schools is now open to **any teacher in the U.S. teaching middle/high school**. This opportunity is a 4-day workshop immersed in plant phenology studies with Dr. Eric Post and learn about how his work has significantly affected our knowledge on climate change in the Arctic. You will also be able to take back materials and activities to implement in your classroom. **All meals and lodging are provided during the workshop, up to \$500 for travel expenses, and a \$500 stipend. All professional development activities align with NGSS based practices and standards.**

Please check out the details below and application closes March 15th:

<http://www.csats.psu.edu/overview-of-csats-programs/summer-workshops/arctic-plant-phenology-learning-through-engaged-science-apples#description>

SUMMER 2018 CASE STUDIES IN SCIENCE WORKSHOP

Presented by the National Center for Case Studies in Science Workshop

Dates: May 21-25, 2018

Location: University at Buffalo, State University of New York

Registration Fee: \$975.00

REGISTRATION PROCESS: Online registration is now open and will remain open until the workshop is filled (limit 35 people). <http://www.nccsts.org/workshop.php>

WORKSHOP CONTENT: We have found the case study method to be a powerful pedagogical technique for teaching science because it humanizes science and effectively illustrates scientific methodology and values. Moreover, since many of the best cases are based on contemporary science problems featured in the news, the use of cases in the classroom makes science relevant to students. Our five-day workshop focuses on training science faculty (all levels) to teach with case studies, to write their own cases, and to assess their students' learning with cases. During the final two days of the workshop, all participants are required to teach a case before a student audience using a case they have developed during the workshop. In addition, workshop participants are expected to produce a case study within six months of the workshop for our national, peer-reviewed case collection. Past workshops have included faculty from biology, chemistry, physics, astronomy,

computer science, mathematics, geology, psychology, anthropology, nursing, science education, dentistry, engineering, medicine, and other science-related disciplines.

APPLICATION: Open enrollment through registration on a first-to-register, first-to-pay basis, limited to 35 people.

COST: \$975.00, The workshop fee includes: workshop sessions, materials, computer access, and meals as follows: lunch Monday-Friday; dinners Monday-Thursday; and light morning refreshments during the workshop; a copy of the book *Start with a Story* and a one year subscription to our case study collection answer keys and teaching notes.

You are responsible for arranging your own housing. We have arranged a limited number of rooms for a special price for a limited time at the closest hotels to the University. Please see details below.

Red Roof PLUS+ University at Buffalo - Amherst, [42 Flint Road, Amherst, NY](#), For reservations, please call [1-800-733-7663](#); they are open 7 days a week, 6 AM to 3 AM, ask for a room under the Block Code B104UBCASE.. Rooms are non-smoking, king and doubles, with rates from \$59.49-\$101.99, depending on the night of the week, and will be available until April 20, 2018.

Buffalo Marriott Niagara, 1340 Millersport Hwy, Amherst, NY, [716-689-6900](#). Room block under name "UB Case Study." Rooms are non-smoking, standard (one king or two double), for TBD / night and will be available until TBD.

Comfort Inn University, 1 Flint Road, Amherst, NY, [716-688-0811](#). Room block under name "UB Case Study." Rooms are non-smoking, standard (one king or two double), for \$92.00 / night. Or book online

at <https://www.choicehotels.com/reservations/groups/EC8BQ3>

Cancellation Policy: Registration cancellation requests must be in writing and must be received by us no later than Monday, April 23, 2018. A \$100 processing fee will apply to ALL registration cancellations. Please send cancellation requests to Carolyn Wright's attention via email (nccsts@buffalo.edu) or fax ([716-645-2975](tel:716-645-2975)). No refunds will be given after Monday, April 23, 2018. There will be no refunds for individuals who register for the workshop but do not attend.

WEBSITE: Detailed information about the workshop, including online registration and housing options, is available at:

<http://sciencecases.lib.buffalo.edu/cs/training/workshops/>

WORKSHOP DIRECTOR: Clyde F. (Kipp) Herreid is a Distinguished Teaching Professor in the Biological Sciences Department at the University at Buffalo. He has conducted numerous workshops around the country on case method teaching, team learning, and problem-based learning. He is the author of a column on case studies regularly featured in the *Journal of College Science Teaching*

QUESTIONS: Please contact our workshop coordinator, Carolyn Wright, at nccsts@buffalo.edu or at [716-645-4900](tel:716-645-4900).

REGISTER NOW FOR the [Climate Literacy and Energy Awareness Network \(CLEAN\) webinar series](#) to enhance your knowledge and teaching about

climate & energy education! Webinar 1: Intro to CLEAN Register:

https://cuboulder.zoom.us/webinar/register/WN_9MLFxbvIT9G6p9IzUNCN

Dw: Join us for a guided tour of the CLEAN portal. Learn about the CLEAN collection of over 700 climate and energy educational resources that include data-based activities, demonstrations and experiments, videos, and visualizations. Plus, learn about the range of supporting materials on the CLEAN website that help you effectively and accurately teach about climate and energy topics. **Webinar 2: Teaching About Climate and Energy:**

Register: [https://cuboulder.zoom.us/webinar/register/WN_Js6-](https://cuboulder.zoom.us/webinar/register/WN_Js6-9N7wQnO37LMTaVOBxQ)

[9N7wQnO37LMTaVOBxQ](https://cuboulder.zoom.us/webinar/register/WN_Js6-9N7wQnO37LMTaVOBxQ) Learn how to use the Teaching About Climate and Energy web guides to help build an excellent foundation for teaching and learning about climate and energy concepts. Also, see how these teaching guides are integrated with the CLEAN collection of over 700 climate and energy resources on the CLEAN website. **Webinar 3: How to Plan Climate and Energy Lessons: Register:**

https://cuboulder.zoom.us/webinar/register/WN_6vUJmPkTQJ2dABBkc9BemQ

Want to learn how to build your own climate and energy units using three-dimensional design and the over 700 educational resources in the online CLEAN collection? Join in for an introduction to the CLEAN Get Started Guide, teacher planning materials, and downloadable classroom unit exemplars to help get you started. **Webinar 4: CLEAN, NGSS, and 3-D Learning for Climate and Energy: Register:**

https://cuboulder.zoom.us/webinar/register/WN_r7I5I0HDRsuF_qoPd6CSCw

Get insight on how the CLEAN collection of over 700 educational resources are aligned to the Next Generation Science Standards (NGSS) and how CLEAN supports 3-dimensional learning. Learn how to search the CLEAN collection by NGSS climate and energy topics and at-a-glance standards tables to effectively teach about climate and energy in your classroom. *For more information or questions, contact: Jennifer.L.Taylor@Colorado.edu*



CoNSEPT 2018 (Connecticut Network of Science Educators and Preservice Teachers) Math/Science Partnership (MSP) team invites you to participate in this unique professional development opportunity. As you know, Connecticut adopted the Next Generation Science Standards (NGSS) in 2015. In an effort to support teachers on their quest to implement NGSS, we are offering you the following PD.

Who: *elementary teachers from your district*

When: NGSX (Next Generation Science Exemplar professional development system)

- Session 1 and 2: MARCH 9 (FRI) and MARCH 10 (SAT)
- Snow dates: MARCH 16 (FRI) and MARCH 17 (SAT)
- Session 3 and 4: APRIL 20 (FRI) and APRIL 21 (SAT)
- Session 5: MAY 5 (SAT)
- Session 6: JUNE 28 (THURSDAY)

2018 NGSS Curriculum Unit Development Institute (CUDI)

- Monday JULY 30 – Friday AUGUST 3

Where: NGSX and CUDI will be held at Central Connecticut State University

Why: To engage teachers in the new approach to teaching science in line with NGSS.

NGSX is a web-based series of learning units that feature video case studies of teachers and students enacting a central tenet of the Framework for K-12 Science Education: integrating science practices with core ideas by developing explanatory models to support and defend evidence-based scientific explanations. (Note: The NGSX training alone is \$1500 per individual. The CoNSEPT Project will provide this training to project participants at no cost.)

CUDI is a week- long training in the development of three dimensional learning units. The three dimensions outlined in NGSS are the Disciplinary Core Ideas (DCI), Science and Engineering Practices, and Crosscutting Concepts.

Compensation: Participants who attend all sessions and complete a unit will receive **\$1800**.

Please share this information with your teachers. Please contact me if you have any questions.

Marsha Bednarski, Ph.D.

Project Coordinator

Central Connecticut State University

bednarskim@ccsu.edu

Please respond by completing the following Google form: <https://goo.gl/forms/Guj5jEPL6x02Hfwk2>

Upcoming Safety Workshops

March 6th, April 3rd

NOW AT THE CT SCIENCE CENTER

As you may have heard, the Connecticut Science Center is now hosting the safety workshops previously held at Wesleyan by the Green Street Teaching & Learning Center. Below are the upcoming dates, as well as the link you can follow to learn more and register.

Safety in Next Generation Science Standards – March 6, 2018 9am – 12pm

This workshop will help teachers learn how to incorporate safer activities into their NGSS-based curriculum experience in concert with mandated safety standards/regulations and better professional practices.

Science Lab Safety and Liability for Administrators – April 3, 2018 9am – 12pm

This training program is designed for school administrators and supervisors of science teachers and paraprofessionals. It will focus on appropriate legal standards and professional best practices to help create a safer working environment in middle and high school academic science laboratories.

<https://ctsciencecenter.org/education/mandell/sciencesafetyworkshops/>

If you have any questions, please feel free to send me an email!

Jessica Lefler

Programs Project Coordinator

Connecticut Science Center

[250 Columbus Blvd. | Hartford, CT 06103](#)

[860.724.3623](#) main

| [860.520.2164](#) direct



Save the Date!

Fish School, our FREE open house for educators, returns on Wed., Feb. 28.

During this special evening, come learn about all the educational resources available here at The Maritime Aquarium. See program demonstrations, visit exhibits, tour our research vessel, screen an IMAX® movie and more.

[For More Information and to Register Online Click Here](#)

Project ATMOSPHERE: K-12 teachers with atmospheric content and a willing supervisor are asked to apply. The workshop has the latest technology for forecasting weather that can be incorporated into lessons. Participants will complete online learning modules before attending on site, and during July 15-21 will be at the National Weather Service Training Center in Kansas City. Participants receive graduate credit, a \$300.00 stipend, lodging, means, travel expenses, tuition, and materials. They are then expected to train precollege teachers in their home regions. Deadline for application is March 26. Click on <https://goo.gl/GtnF48>

ISTE Outstanding Young Educator Award: K12 teachers 35 years or younger as of July 15 and use technology for teaching and learning can receive free registration to the ISTE Conference with up to \$1000 in travel costs, a \$1500 cash prize, and membership in ISTE for one year. Deadline for nomination (can be self) by February 28. Go to <https://goo.gl/W3nhkF>

Carton 2 Garden Contest rewards pre K-12 schools that re-use at least 100 milk or juice cartons in their gardens. There will be on grand-prize winner of \$5000 and 3 other winners will get a \$2500 value prize. Ten others will get awards worth \$1000. Entries due by April 16. Free seeds and tips when you register at <https://goo.gl/yYDGXu>

**CONNECTICUT
TEACHERS OF
COLOR! ENHANCE
YOUR
ENVIRONMENTAL
LITERACY. Apply
for a 90%
Scholarship.**

The National Audubon Society welcomes Teachers and Youth Leaders to apply for this scholarship opportunity.

WHAT: Sharing Nature: An Educators' Week Workshop



WHERE:
Hog Island
Audubon
Camp,
Muscongus

Bay, Maine

WHEN: JULY 15 - JULY 20, 2018

SCHOLARSHIP:
\$1000 towards \$1,095 registration fee (*Price includes program, lodging, boat travel, all meals*)

Features of Educators' Week:

- Designed for science and non-science educators to generate exciting ideas for creating and incorporating environmental education activities into your curriculum.
- Inspiring and experienced instructors will share their



favorite approaches, methods, and activities for engaging you, and your students, with nature.

- Workshop presentations and guided field trips on the island using techniques in field biology, art, music, photography, theater, journaling, and other disciplines.

Interactive EDI panel led by Deeohn Ferris, Vice President for Equity, Diversity, and Inclusion at National Audubon Society.

TO APPLY: E-mail letter of interest and names & contact info of 2 professional references to Camp Director Pete Salmansohn at psalmansohn@audubon.org. Awards are given on a rolling basis, so early application is strongly suggested. For details, photos, videos about the camp visit: hogisland.audubon.org.

Affordable NGSS Professional Development Workshops



CSTA is proud to partner with Peter McLaren to provide a series of NGSS professional development.

McLaren was a member of the national writing committee for the Next Generation Science Standards (NGSS). He has also served on a number of committees including the National Academy of Engineering's Guiding Implementation of K-12 Engineering Education committee, and the National Academy of Science's Committee for Developing Assessments for the Next Generation Science Standards (NRC, 2014) and was a contributor to the NRC publication Seeing Students Learn Science (NRC, 2017) (Full bio below)
Peter McLaren - Next Gen Education, LLC

Space is limited to 100 participants. Don't miss this opportunity to be trained by a writer of NGSS. Register at <https://www.csta-us.org/events>

Workshop 3: ASSESSING 3-D LEARNING: USING FORMATIVE ASSESSMENT TO INFORM STUDENT LEARNING IN A NGSS CLASSROOM

Richard Larson – MIT

Peter McLaren - Next Gen Education, LLC This half-day workshop will feature the successful MIT [BLOSSOMS](#) "Teaching Duet" instructional approach as a model for Teacher Professional Learning (TPL) of the instructional shifts of the NGSS. TPL is designed to engage educators by immersing them in a phenomenon-driven, three-dimensional lesson to support, prepare, reflect upon, and improve upon their instructional practice.

Date: Saturday, February 3 from 9:00AM-12:00PM Cost: \$10 (Light snacks will be provided) Location: CREC Academy of Science and Innovation, 600 Slater Road, New Britain, CT <https://www.csta-us.org/events>

Workshop 4: THREE-DIMENSIONAL LESSONS: ADAPTING A TRADITIONAL LESSON TO SUPPORT THREE-DIMENSIONAL TEACHING AND LEARNING Presenter: **Peter McLaren - Next Gen Education, LLC**

This full-day workshop will bring educators through a process where they will adapt a traditional lesson to support three-dimensional instruction. Educators will bring along a lesson to which they are familiar and learn how to integrate science and engineering practices, disciplinary core ideas, and crosscutting concepts. Educators will use tools and templates designed to help facilitate the adaptation process.

Date: Saturday, May 5 from 9:00AM-3:00PM Cost: \$10 (Light lunch will be provided) Location: CREC Academy of Science and Innovation, 600 Slater Road, New Britain, CT <https://www.csta-us.org/events>

And even more?
It's CSTA Grant time again....
<https://www.csta-us.org/grants>



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/DluUOEfBa4QB3ne2>

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. Apply today!

NSTA has created a new engineering list. This is in addition to the STEM list currently in existence. Here is the vision:

This engineering list can be used for a variety of questions, from elementary teachers looking for and sharing ideas to secondary engineering lab teachers asking about supplies, to science content teachers looking to integrate engineering into their lessons. For example, teachers could post an engineering design challenge they were considering or have tried and get feedback on how to improve it. Here are some points:

1. With engineering explicitly included as a fourth discipline in NGSS, and it will be valuable to have a list to which posts can be made focusing on that discipline
2. STEM is (in my mind) more interdisciplinary in nature. Engineering focuses specifically on the E in STEM
3. The iterative nature of engineering through the engineering design process (EDP) can be one major focus (as it is in the NGSS DCI's for engineering)
4. Engineers and engineering teachers could provide feedback to elementary teachers including content knowledge to support their EDP challenges
5. Such a list can boost quality engineering activities K-12 through the interactions for which the lists are famous!

6. The list can be actively watched by folks interested in providing support PreK-12 in this field. (And the lists are famous for having folks actively watch and support the discourse online!)

HOW DO I SIGN UP?

Make sure you are logged in on the NSTA site. Then go to:
Membership tab --> Member Services
--> members only Email list server
Scroll to "Subscribing to/unsubscribing from e-mail lists" and follow directions from there.

- Or go straight to this link:
http://www.nsta.org/membership/listserver_update.aspx

A quality education in science is fast disappearing as more and more science teachers leave the profession due to inadequate administrative support, isolated working conditions, and lower salaries.

Started by a generous contribution from NSTA's past President, Dr. John Penick, The Next Generation Science Teachers Fund provides support by funding pre-service and new teacher memberships in NSTA and complimentary registrations to NSTA's annual conference on science education. Scholarship awardees get:

- The opportunity to network and speak directly with over 50,000 other science teachers across the country!
- 24/7 immediate access to NSTA's library of printed and electronic materials they can use every day to bring their students the kind of education they need and deserve!
- Attendance to NSTA's national conference that will give them access to years' worth of new teaching ideas and inspiration in one week!

If you're a preservice science teacher or in your first five years of teaching, we encourage you to apply. Our first cohort will be named at the end of January, 2018. [APPLY](#)

UConn Environmental Programs for Teens, Adults, & Teachers

UConn's NRCA enables **intergenerational learners** (teens, adults & teachers) to generate real conservation benefits to Connecticut communities by providing the tools and support to carry out **conservation-based service-learning projects** or **curriculum**.

Read on to learn more about our exciting **2018 programming!**

CAP arms teens (**rising 10th-12th graders**) with skills used by professionals to address **current environmental issues**. Students are immersed in real field-based science and focusing on:

WATER QUALITY
GREEN INFRASTRUCTURE
GIS TECHNOLOGY
FISHERIES
WILDLIFE
FORESTRY
SOILS

during an exciting **weeklong summer field experience** at UConn. Then, students design their **own conservation project** to provide real solutions for their communities, and present their work at the **Connecticut Conference on Natural Resources**.



Applications coming soon!

[Learn more about CAP](#)

Conservation Training Partnerships (CTP)

CTP partners teens (**rising 9th-12th graders**) and **adult conservation volunteers**, and supports the team in carrying out a conservation-based community project.

The team participates in an **interactive 2-day field workshop** ([find a workshop near you!](#)), and applies conservation and innovative **mapping and web tools** in field activities. The team then designs and carries out a **conservation project** of any intensity and implements it in their town.

Workshops located **throughout Connecticut** and are **free** to all participants.

Applications coming soon!

[Learn more about CTP](#)

Teacher Professional Learning (TPL)

TPL extends the NRCA experience to secondary science teachers. This **3-day professional development workshop** immerses teachers in relevant regional **water resource issues**, and provides teachers with **online mapping tools** to encourage their students to study these issues further.

Each teacher designs 5-7 lessons for a Water and Sustainability Science Unit aligned with specific **Next Generation Science Standards** Performance Expectations.

Workshop located at **UConn Storrs Campus** on Aug. 13-15. Participants receive a **stipend**.



Applications coming soon!
[Learn more about TPL](#)

School & Organization Visits

If you are interested in learning more, we are happy to visit **schools & organizations** to give **brief presentations** for students, teachers, and community members about our **NRCA programs**.

Please contact nrca@uconn.edu or **860-486-4917** to find out more.

1376 Storrs Rd, Unit 4087, Storrs,
CT 06269 860-486-4917
nrca@uconn.edu <http://nrca.uconn.edu>

**Connecticut
Invention Convention**

young inventors need your help!

Once again we invite our friends to come out and judge at CIC Regional events and the 35th Annual 2018 Connecticut Invention Convention.

In order to make this a successful year for our young inventors, we need judges from every background and career path! We need judges to speak with our students, offer feedback, score their inventions, and recommend inventors to advance to other events. No experience necessary, since everyone receives training on the day of the events.

Not familiar with our program: The Connecticut Invention Convention (CIC) is an award winning, non-profit educational organization open to students in all schools across Connecticut. The program is designed to develop, encourage, and enhance critical thinking and creative problem solving skills through invention, innovation, and entrepreneurship. Students come up with an invention and present their work at our Regional and Final events. Check us out at <http://www.ctinventionconvention.org>.

We need your help to encourage young students to consider careers in science, technology, math, and engineering. Could you invest a few hours at some of our events to support a child's interest in becoming an inventor?

Our Events Schedule

Date	Time	Event	Location
March 18, 2018		8 - 11 AM	CIC Southern Regional Hamden Middle School, Hamden
March 18, 2018		1 - 4 PM	CIC Western Regional Hamden Middle School, Hamden
March 24, 2018		8 - 11 AM	CIC Central CT River Academy, East Hartford
March 24, 2018		1 - 4 PM	CIC Eastern CT River Academy, East Hartford
April 28, 2018	8 - 3 PM	CIC Final	Gampel Pavilion, UCONN, Storrs

You can register for individual Regionals or spend the entire day with our young inventors! When you register, you will indicate what events you are available to judge. Please consider registering for more than one event.

To register as a judge click here:

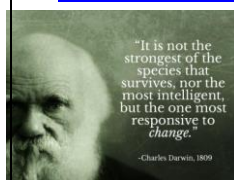
<https://www.cicregistration.org/judges/>

As the event day approaches, a more definitive schedule will be sent to you.

IF YOU HAVE ALREADY REGISTERED as a judge, simply forward this email to others who also may want to foster creativity in our youth. *Thank you for your support,*

Christine Lawlor-King

Christine@ctinventionconvention.org



Welcome to the Darwin Day Roadshow!

The Darwin Day Roadshow is a way for scientists and educators to share their enthusiasm for evolutionary science with students, teachers and the general public across the United States in the spring each year, to celebrate Charles Darwin's birthday (February 12th). The Darwin Day Roadshow is currently sponsored by the [BEACON Center for the Study of Evolution in Action](#) and the [Society for the Study of Evolution](#).

**DO YOU KNOW A SCIENCE
TEACHER DESERVING OF
RECOGNITION? CONSIDER
NOMINATING A CANDIDATE
FOR:**



Presidential Awards for Excellence
in Mathematics and Science Teaching
Rewarding & Inspiring Great Teaching Since 1983



[Click here](#) to nominate

The 2017 Secondary Science Finalists, whom CSSA honored at their October 11 Professional Development Dinner Meeting are as follows:

Matthew Brodeur - East Hartford High School

Erin Lucia - New Milford High School

Alexa Mitchell - RHAM High School - Region 8

Anja Pennell - Greater Hartford Academy Of The Arts Magnet Middle School

Diane Pintavalle - Glastonbury High School



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.