



[NSTA Home](#) | [NSTA Communities](#) | [Member Benefits](#) | [Conferences](#) | [Journals](#) | [Science Store](#) | [Learning Center](#) | [Career Center](#)

**Week of September 21, 2009**

### Table of Contents

- [2009 NSTA New Science Teacher Academy Fellows Announced](#)
- [An Educational Getaway for Science Educators](#)
- [Green Grants for Public School Teachers](#)
- [Publish in the National Gallery of Writing](#)
- [From the NSTA Calendar: National Estuaries Day](#)
- [Online Teacher Training from Wildlife Conservation Society](#)

Sponsored by:



Sponsored by:



### 2009 NSTA New Science Teacher Academy Fellows Announced

NSTA, in partnership with the Amgen Foundation; Agilent Technologies Foundation, Astellas Pharma US, Inc. ("Astellas"); and Bayer Corporation today announced the 185 middle and secondary science teachers from across the country who will take part as Fellows in the 2009 NSTA New Science Teacher Academy. Selected from hundreds of applications nationwide, the Fellows will participate in a yearlong professional development program designed to help promote quality science teaching, enhance teacher confidence and classroom excellence, and improve teacher content knowledge.



Representing 47 states, the District of Columbia, the Northern Mariana Islands, and the U.S. Virgin Islands, the 2009 Fellows will receive a comprehensive NSTA membership package, online mentoring with trained mentors who teach in the same discipline, and the opportunity to participate in a variety of web-based professional development activities, including web seminars. In addition, each fellow will receive financial support to attend and participate in NSTA's 2010 National Conference on Science Education in Philadelphia.

For a list of the 2009 Fellows or to learn more about the NSTA New Science Teachers Academy, please visit [www.nsta.org/academy](http://www.nsta.org/academy).

[\(back to top\)](#)

## An Educational Getaway for Science Educators

Consider taking just a few days to get inspired, build your content knowledge, access teaching strategies that help student performance and enjoy the natural environment in beautiful Fort Lauderdale. [NSTA's Conference on Science Education](#) will take place Nov. 12–14, and is an event not to be missed.

Workshops, seminars, presentations and sessions are planned for teachers in every grade band, K–college, and administrators who need professional development to meet your district or state requirements. It's an investment in yourself. Consider a sampling of more than 400 sessions.

- *Featured Speaker Dr. Ellen Prager (Author and Chief Scientist, NOAA's Undersea Research Center), **Chasing Science at Sea: Unveiling Stories of Wonder and Adventure from the Field and How Science Really Works***
- Discipline-specific, full day programs in Physics, Physical Science, Earth Science, Chemistry and Biology.
- **Teaching About Energy Resources** (Middle–High School)
- **Environmental Issues Taught with an Inquiry Approach**, Elementary
- **What Affects Reaction Time?** Conduct an experiment to determine reaction time under three physiological conditions and then examine the nervous pathways that are in use with each pathway. (Middle–High School)
- **Muscular Physics**—Explore the physics of body movements. We'll construct an arm model and apply lever mechanics to the "lifting" of various masses. (Middle–High School)
- **Increasing Student Achievement in an All-inclusive Learning Environment** (Middle–High School and Supervision)
- **The "Principal" Difference: Leadership for Building a Quality Elementary Science Program**(Supervision)
- **Instructional Technology and Partnerships to Promote Science Learning**—Our large high school uses instructional technology to engage students in the learning process by providing authentic science experiences through design projects, competitions, and real-time data analysis. Students assess each other's outcomes and their own using quality formative assessment tools. (Middle–High/Supervision)
- **What's Matter Made Of?** (High School)
- **Field Trip (ticketed): Key Largo Dive Trip**—We will dive the live coral reefs of Key Largo, as well as the famous Christ Statue, very comfortably while searching for sea turtles, sting rays, eels, fish, and more. The Florida Keys reef tract is the only living coral barrier reef in North America and is the third largest coral barrier reef in the world.

And that's just the beginning of a fantastic PD excursion. Remember there's the Exhibit Hall (with giveaways), networking with your peers and presenters, and graduate credit for 12 hours of program attendance. Visit [www.nsta.org/fortlauderdale](http://www.nsta.org/fortlauderdale) for more details and to register. The earlybird deadline is **September 25**.

[\(back to top\)](#)

## Green Grants for Public School Teachers

With \$150,000 in new grant funding designated for projects that integrate green-related topics and experiences into the classroom, the National Education Association (NEA) Foundation is growing its Learning and Leadership and Student Achievement grants program for individuals and teams of educators. Public school teachers are eligible to apply for individual grants worth up to \$5,000 for development and implementation of ideas, techniques, and approaches for teaching green concepts. The first application deadline is October 15, and the first grants are slated to be awarded in January 2010. The NEA Foundation will award two more rounds of green grants in 2010, with deadlines for applications falling on February 1 and June 1. For more information, visit the [NEA Foundation website](#).

[\(back to top\)](#)

### **Publish in the National Gallery of Writing**

The National Science Teachers Association is a partner in the National Gallery of Writing, an online exhibition of writing hosted by the National Council of Teachers of English, which is seeking writing samples. [NSTA's Gallery](#) has the following theme: Why Earth? What makes our planet the ideal cradle of life?

Science teachers and students are encouraged to submit one piece of writing that is important to them (be it a letter, digital composition, video, or other format.) It just takes a few minutes to upload your submission, and more information is available at the gallery. The pieces will be unveiled on October 20, 2009 as part of The National Day on Writing, a nationwide initiative that highlights the variety and importance of writing in the everyday lives of Americans.

[\(back to top\)](#)

### **From the NSTA Calendar: National Estuaries Day**

This annual celebration of estuaries, the vibrant coastal areas where rivers meet the sea, takes place the last Saturday in September. On September 26, [National Estuaries Day](#) offers an opportunity to learn more about these ecosystems and how you can help to protect them. Whether you live close enough to visit your local estuary or you transport yourself online to an estuary anywhere in the world, check out the website, which contains educational resources about estuaries and suggests simple things teachers and students can do to participate.

For more things to do, visit the [NSTA Calendar](#).

[\(back to top\)](#)

### **Online Teacher Training from Wildlife Conservation Society**

Wildlife Conservation Society's Professional Development Department, headquartered at the Bronx Zoo, invites K–12 educators to take a walk on the *wild* side. Whether you teach in a school or non-traditional setting, science, math, language arts, or anything in between, Online Teacher Training Courses from WCS offer something for everyone.

The courses are a convenient way to enhance your understanding of the living world and revitalize your love of nature and science. Six-week courses provide a unique opportunity to examine the life sciences of zoology, ecology, and conservation, through topics such as *predators*, *marine biology*, *habitat ecology*, and *climate connections*. Learn from virtual and interactive simulations, videos, presentations from WCS scientists and educators, and interaction with teachers from around the world. Get the most up-to-date news from WCS field experts and explore best practices in science education. Participants will receive electronic curriculum and resources, made ready for use in your classroom. Graduate credits are available. For more information, please visit [www.wcs.org/elearning](http://www.wcs.org/elearning) or call +1-718-220-5136

### **And Don't Forget...**

**Visit our member services web page** to ensure that NSTA has your current [contact information](#). And when the time comes to renew—select the "Autorenew" option!

**Visit the [NSTA Science Store](#)** for an outstanding array of bestselling books and teaching resources. Receive 30% off the price of the September featured book, [Using Forensics: Wildlife Crime Scene!](#).



Click on the logo to explore the fall 2009 new professional development opportunities.

---

**Professional development courses in your future?**

*Online options give you a world of choice.*

Take a look at these groups offering [courses](#) for science educators!

---

[Sign Up / Opt Out](#) | [Member Services](#) | [Express Feedback](#) | [View in Browser](#) | [Archive](#) | [NSTA News Digest](#)

[NSTA Home](#) | [NSTA Communities](#) | [Member Benefits](#) | [Conferences](#) | [Journals](#) | [Science Store](#) | [Learning Center](#) | [Career Center](#)

Copyright © 2009 [National Science Teachers Association](#)

*NSTA Express is designed to keep NSTA members and the wider science education community informed about NSTA activities.*

*It also provides important news items and announcements from our partners.*

*It may be forwarded or reproduced for educational purposes but must include the copyright notice above and the link to [NSTA](#).*

**THE FINE PRINT**

This e-newsletter is brought to you by the  
National Science Teachers Association  
1840 Wilson Boulevard  
Arlington, VA 22201-3000  
Phone: 703-243-7100

If you **do not** want to receive *NSTA Express* by e-mail, please follow this link:

[http://ecommerce.nsta.org/optout?email=wagner\\_p@aps.edu&source=nstaexpress](http://ecommerce.nsta.org/optout?email=wagner_p@aps.edu&source=nstaexpress)

*NSTA Express* archive: [www.nsta.org/publications/archive-express.aspx](http://www.nsta.org/publications/archive-express.aspx)