

2010-2012 Professional Development:  
DOE Academies Creating Teacher Scientists (DOE-ACTS)

# The Nature of Science through Sustainability



The U.S. Department of Energy (DOE) and the Pacific Northwest National Laboratory (PNNL) are partnering to offer a three year professional development program designed for middle and high school science teachers. The program, Academies Creating Teacher Scientists, will focus on two important elements of science literacy: the nature of science and sustainability. Participating teachers receive a stipend for their participation, a mini-grant for materials in their classroom and professional development, a housing allowance, and travel expenses.

**WHEN:** JUNE 28 – JULY 23, 2010 (4 weeks)\*

**WHERE:** Pacific Northwest National Laboratory, Richland, WA

**WHAT:** Through a partnership between teachers and world-renowned scientists at PNNL, middle school and high school teachers will develop a deeper understanding of the nature of science in the context of a real-world experience at a national laboratory. Using the content of sustainability and the cutting edge research being conducted at PNNL, teachers will delve into the world of sustainable energy while being immersed into the nature of science. Based on these opportunities as well as other workshops and seminars, teachers will explore how to use their adult learning at PNNL to enrich and extend the core materials they deliver to students to positively affect the system in which they work.

The Office of Science & Engineering Education has a rich history of professional development in sustainability supported by the DOE Office of Science in the 1990s. It is the intent of this program to build on this strong foundation of work both with classroom teachers and world-renowned scientist-mentors who are engaged in fundamental research and innovation.

**WHY:** The DOE/ACTS program is designed by the Office of Science to create a cadre of outstanding science teachers with the content knowledge and pedagogy to serve as leaders and agents of positive change in their local and regional teaching communities.

**COMPENSATION** Participating teachers receive:

- Travel/housing supplement
- \$800/week stipend
- Resources for classroom instructional materials and/or professional development (see [DOE ACTS website](#) for restrictions)



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## HOW TO APPLY:

- Go to [www.scied.science.doe.gov](http://www.scied.science.doe.gov) and click on **DOE ACTS Program**.
- To apply, use the "**Apply**" link located on the floating navigation bar on the left side of your screen.
- Applications are due February 15, 2010.

## When filling out your online application, please consider the following:

- The application does not need to be completed in one sitting. The website is designed to allow you to save your work and return to your application at a later time.
- Different national laboratories have different programs. Of the programs to which you are eligible to apply, you will be asked to choose a first and second preference.
- Applicants are required to obtain two recommendations. Recommendations must be submitted online by having both recommenders use a unique website that is provided as part of your application. Your status page will indicate when the recommendations have been submitted.
- Early submission of the completed application is strongly encouraged.

## Eligibility:

- Individuals may apply. Based on research in teacher professional development, **we encourage teachers to come in a team of two from the same school or school district**
- Full-time middle and high school science teachers in public or private school
- Have the ability to commit for three consecutive summers (4 weeks, 7-8 weeks, 4 weeks)
- At least 21 years old and U.S. citizen at time of application
- Have current health insurance coverage

**CONTACTS:** If you have questions about curriculum content or the workshops contact:  
Peggy Willcuts at [peggy.willcuts@pnl.gov](mailto:peggy.willcuts@pnl.gov), phone 509-375-6797 or  
Karen Wieda at [kj.wieda@pnl.gov](mailto:kj.wieda@pnl.gov), phone 509-375-3811

\* Summer 2011: 7 to 8 week research appointment and summer 2012: 4 weeks

