Nanotechnology in the Secondary Classroom Workshop for Educators

The Pennsylvania Nanofabrication Manufacturing Technology (NMT) Partnership and the Pennsylvania State University Science Education Department announce a Nanotechnology in the Secondary Classroom Workshop for Educators. This three-day workshop will be held July 31-August 2, 2006 at the Center for Nanotechnology Education and Utilization (CNEU) facilities at University Park, PA.

The desired outcome of the August 2006 workshop is to develop classroom activities that introduce advances made through nanotechnology into the secondary classroom while still using current curriculum. The workshop attendees will be divided into work teams and will be joined by engineering staff, educators from The Center for Nanotechnology Education and Utilization, and The Pennsylvania State University Department of Science Education.

The intended audience for this workshop is secondary science educators. A previous knowledge of micro- or nanotechnology is required. We encourage multidisciplinary teams to apply as a group. Priority will be given to groups and there will be a cap of 20 participants in total. For consideration as a participant for this workshop you will be required to provide a written proposal describing how you have integrated or plan to integrate knowledge and materials from previous workshops into your classroom. During the workshop you will be creating a written classroom action plan. We will also require post workshop feedback on the utility and impact of workshop material used in your classroom so that we may build upon your classroom experience. Your work resulting from this workshop and your post workshop classroom experience will be shared with other educators. A total stipend of $300.00 will be awarded for your participation in this curriculum development activity. A payment of $200.00 will be awarded upon successful completion of the three-day workshop experience and a final payment of $100 will be issued upon successful completion of post workshop classroom activities and written evaluation.

A variety of professional development workshops are offered several times per year. To stay up-to-date on all our events and activities check our News/Events section regularly at www.cneu.psu.edu.

The Pennsylvania NMT Partnership (established in 1999) is recognized as the nation’s leading nanotechnology education and workforce development program. The Partnership provides hands-on undergraduate education to students enrolled at more than 30 different institutions across Pennsylvania, as well as professional development workshops for educators and industry. There is also a variety of outreach programs for secondary students. The Partnership includes the Pennsylvania Commission for Community Colleges, the State System of Higher Education, The Pennsylvania State University, and the Pennsylvania College of Technology.

This workshop has been submitted for Pennsylvania Act 48 credits and is pending approval at this time.

How does it work?

- Complete and return the workshop form as well as your two paragraph write-up to the Penn State Center for Nanotechnology Education & Utilization, Attn.: Amy Brunner, 101 Innovation Blvd., Suite 114, University Park, PA 16802 or axb914@psu.edu (Fax: 865-3018).
- Proposals for workshop inclusion submission will be accepted until July 1, 2006.
- You can expect to receive notification of acceptance by July 10, 2006.
- A block of rooms is being held at the Nittany Lion Inn until June 25. Please contact the Penn State Hospitality Services Reservation Department directly prior to June 25 to reserve your room. The number to call is 1-800-233-7505. Attendees should reference ID# CEN0730.
- You will be responsible for your transportation to and from the workshop each day.
- Additional details will be mailed/faxed to you as a confirmation.
- If you have any registration questions, contact Tina Crosson at (814) 863-2955 or tcrosson@engr.psu.edu
- If you have any workshop questions, contact Amy Brunner at (814) 865-8977 or abrunner@engr.psu.edu

This workshop is co-sponsored by the State of Pennsylvania and by the National Science Foundation under the auspices of the National Nanotechnology Infrastructure Network.
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(Must be received by July 1, 2006)

Name: ________________________________________________________________

Title: ________________________________________________________________

Organization: ________________________________________________________

Discipline(s) you teach: _______________________________________________

Grade level(s): _________________________________________________________

Address: _____________________________________________________________

Work Phone: __________________________ Home Phone: _____________________

FAX: ___________________________________________________________________

E-mail: __________________________________________________________________

Special Needs: __________________________________________________________

Please include a typed two paragraph write-up describing your previous exposure to nanotechnology and how you have integrated or would like to use nanotechnology in your classroom. You can attach it to this application and mail or fax to the Center for Nanotechnology Education and Utilization.

Attn: Amy Brunner
101 Innovation Blvd
Lubert Building Room 114
University Park, PA. 16802-7003

Phone: 814-865-8977
Fax: 814-865-3018