



Grants Available to Middle & High School Science Teachers!



Join 25 of your colleagues at the two-day
AVS Science Educators' Workshop
November 9-10, 2009
San Jose, California



FREE!

No cost to you or your school!



Requirements: Just apply!



Fifteen (15) Northern California Chapter teachers will be selected.

Meet colleagues from all over the United States. See demonstrations of experiments that will excite your students. Learn how vacuum science and technology is linked to research centers and industries.

Where: San Jose, California in conjunction with the AVS 56th International Symposium and Equipment Exhibition

When: November 9-10, 2009

How to apply: Please send your application (by U.S. mail, fax, or e-mail) to the address below. In your application please explain how you might use the Workshop information on vacuum experiments in your classroom teaching. Be sure to include your *home* address and phone number. ***Application Deadline is May 15, 2009.***

Send Your Application to:

Della Miller
AVS West
110 Yellowstone Dr., Suite 120
Chico, CA 95973
Phone: 530-896-0477; Fax: 530-896-0487
E-mail: della@avs.org

**APPLICATION DEADLINE:
May 15, 2009**

For more information visit the NCCA VS
website: www.nccavs.org

About the Workshop: The AVS Workshop on Low Pressure Experiments and Modeling is an annual two-day, fully accredited, in-service workshop for secondary school science teachers. Its purpose is to enhance their knowledge of the scientific method using simple low-pressure experiments and demonstrations. Participants are taught to incorporate the workshop subjects with the exposure they receive to vacuum technology into their science curricula and career counseling activities.

- Conducted by the AVS Education Committee since 1990 at the AVS International Symposium and Equipment Exhibition
- Limited to approximately 25 participants– selected and sponsored by AVS Chapters
- Participants receive continuing education units
- The teachers' schools receive AVS equipment grants– a vacuum system identical to the ones used in the workshop

Workshop Format



- Lectures
- Experiments
- Develop models
- Demonstrations
- Hands-on activities
- Tour of vacuum equipment exhibit
- Teachers work in teams at multiple work stations
- Tour of local industrial facility or laboratory with related applications



Covered Expenses: Up to two nights (in conference hotel) and travel expenses to and from San Jose, a substitute for the two days missed at school (reimbursed directly to your school)

Plus–your school will receive a new vacuum pumping system (including pump and gauge and bell jar) at no cost.

AVS is a member society of the American Institute of Physics. Members come from industry, universities, and national laboratories. The areas of interest of AVS are diverse, multidisciplinary and touch on all aspects of modern technology, including semiconductor manufacturing, disk drive manufacturing, and thin film coatings. As part of its commitment to foster science education at all levels, the Society conducts this annual program for middle and high school science teachers.



**EDUCATION COMMITTEE of the
Northern California Chapter AVS**

**AVS Science Educators' Workshop
San Jose, CA November 9-10, 2009**

APPLICATION

First Name: _____ Last Name: _____

School Name: _____

School address: _____

City: _____ State: _____ Zipcode: _____

School phone: _____ FAX: _____

School E-mail: _____

Home Address: _____

City: _____ State: _____ Zipcode: _____

Home phone: _____ E-mail: _____

Middle/High school grades you teach: _____ Years in teaching: _____

Subjects you teach: _____

What are your most pressing needs in teaching science? _____

Please explain how you might use the Workshop information on vacuum experiments in your classroom teaching: _____

Submit Application to:

Della Miller
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110 Yellowstone Dr., Ste. 120
Chico, CA 95973
Ph: 530-896-0477
Fax: 530-896-0487
E-mail: della@avs.org



**APPLICATION DEADLINE:
MAY 15, 2009**

You will be notified of acceptance in
July/August 2009 by the selection
committee