

HIGH SCHOOL TEACHERS: *Essential₂ Chemistry*

High School Teachers Program

SUNDAY, AUGUST 16, 2009

Grand Hyatt Washington
1100 H Street NW
Washington, DC 20001

For more information contact the
Office of High School Chemistry
1 800 227 5558, ext. 2105
education@acs.org
acs.org/meetings

High School Chemistry Teachers!

The American Chemical Society will hold its 238th National Meeting in Washington, DC August 16 – 20, 2009. More than 11,000 scientists are expected to attend, and over 7,000 presentations are slated, comprised of symposia that highlight a broad range of scientific advancement.

Leaders in chemical education are also a part of the technical program, presenting papers and symposia on key aspects of teaching and learning chemistry.

The American Chemical Society is the world's largest scientific society dedicated to a single discipline. The meeting will be held at the Washington Convention Center and hotels around the city.

The High School Teachers Program will be held at the Grand Hyatt Washington.



ACS

Chemistry for Life™

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HIGH SCHOOL PROGRAM

SUNDAY 9:00 AM TO 5:00 PM

Sunday Morning Program

Erica Jacobsen, John Moore, Laura Slocum, and **Linda Fanis** will start Sunday's High School Teacher's Program with several National Chemistry Week resources available through the Journal of Chemical Education and ways that teachers can use them. This will be followed by **Clinton Harris**, who will share additional ACS resources for celebrating National Chemistry Week with students. **Rick Moog** will follow with a discussion of hands-on, minds-on Process Oriented Guided Inquiry Learning (POGIL) in high school chemistry classrooms.

Lunch

A feature of each national meeting, the High School/College Interface Luncheon brings together educators from different levels with the goal of facilitating an exchange of ideas. This activity is organized by the **ACS Division of Chemical Education (CHED)**.

The luncheon speaker, **James Saunders** will take a look at the biology and chemistry of chocolate production.

NOTE: Pre-college registrants should not purchase a ticket to the High School/College Interface Luncheon; tickets for pre-college registrants to this event are generously provided by ACS President Thomas H. Lane and the Dow Corning Foundation.

Sunday Afternoon Program

After lunch, **Tom Greenbowe** will share lessons learned from the 2009 AP Chemistry reading and how these will impact the 2010 and 2011 AP Chemistry examination. Tom will then be joined by **Eleanor Siebert, Larry Funck,** and **Fred Vital** in a discussion on identifying student misconceptions exhibited on the AP Chemistry examination. **David A. Laviska, Sarah M. Sparks, Keisha Stephen,** and **Alan S. Goldman** will follow with a look at the evolution of an innovative university to high school program. **C. Marvin Lang** and **Don Showalter** complete Sunday afternoon's program with exciting demonstrations for the high school chemistry classroom.

PROFESSIONAL DEVELOPMENT DOCUMENTATION Attendees can track professional development (based on clock hours) for sessions attended at the ACS national meeting. On completion and submission of ACS forms, participants will be mailed a certificate documenting their participation in the conference.

REGISTRATION

All attendees must register for the meeting in order to participate in the technical sessions and programs. Registration provides full access to the special High School Chemistry Day program on Sunday as well as the entire ACS meeting (Sunday through Thursday) and Exposition (Sunday through Wednesday).

The cost for registration for pre-college teachers is \$90.00. No additional fees apply for a late registration.

Early registration is between May 11 and July 14, 2009. Register after that or on-site and you will need to pick up your badge at ACS Attendee Registration (Washington D.C. Convention Center).

REGISTRATION METHODS

There are several ways to register for the meeting:



Online: <http://www.acs.org> (credit cards only)



Phone: 800-251-8629 or 508-743-0192 (credit cards only) by August 20, 2009



Mail completed form with payment to: ACS Registration c/o CDS, 107 Waterhouse Road, Bourne, MA 02532 by July 14, 2009



Fax completed form with payment to: 508-759-4552 (credit cards only) by August 20, 2009



On-site: Washington, D.C. Convention Center

EXPOSITION

Network with technical professionals from more than 200 exhibiting companies inside the **ACS Exposition**. Investigate new technology and techniques in instrumentation, publications, scientific software and hardware, analytical, and chromatographic, laboratory and safety equipment and services.

You can visit the exhibiting companies and organizations at the Washington, D.C. Convention Center on:

Sunday, August 16, 2009,
6:00 P.M. – 8:30 P.M.,

Monday, August 17, 2009, and
Tuesday, August 18, 2009,
9:00 A.M. – 5:00 P.M. and

Wednesday, August 19, 2009,
9:00 A.M. – 2:00 P.M.

You may also be interested in the following workshops:

Monday Morning

The Polymer Science of Everyday Things Workshop

This hands-on workshop for middle school and high school science teachers will address the polymer science of everyday things through the lens of the National Science Education Standards. This workshop will focus on three topics:

- Aviation Polymers
- Coatings for Automotive Plastics
- Nanocomposites for Transportation

The first 40 registrants for the *Polymer Science of Everyday Things* workshop will have their registration fee for the entire ACS meeting paid by the workshop sponsors. Contact absalamone@aol.com for more information.

This workshop is sponsored by the ACS Polymer Division, Intersociety Polymer Education Council, Royal Society of Chemistry, UK Technology Strategy Board, ACS Polymer Division Industrial Advisory Board, and the National Science Foundation

Monday Afternoon

Lab Safety Workshop for High School Science Teachers

This workshop will help high school science teachers develop and implement safe lab practices while achieving their goals of experiential science teaching. Topics to be covered include:

- Regulatory framework for safety and resources to develop your program
- Storage, compatibility and labeling
- Risk assessment and hazard communication—developing safety “rules” that make sense for you and for your students and help prevent incidents before they happen
- Case Studies—the good, the bad and the ugly
- How chemicals get into the body and what you should do about it

There is an additional \$20 registration fee for the Lab Safety Workshop for High School Teachers. If teachers also attend the Sunday events and/or the morning workshop (*Polymer Science of Everyday Things*) this registration fee will be reimbursed by the Division of Chemical Education.

This workshop is sponsored by the Division of Chemical Health and Safety and the Division of Chemical Education

Tuesday Morning

Schools Chemical Cleanout Campaign (SC3)

This symposium will introduce the EPA's School Chemical Cleanout Campaign, and explore ways of partnering with local businesses and other chemical professionals to manage your laboratory chemicals.

This workshop is sponsored by the Division of Chemical Health and Safety, the Division of Chemical Education and Division of Small Chemical Businesses