

High School Chemistry Day

This high school program will embrace the overarching theme of the San Francisco meeting, *Chemistry for a Sustainable World*, by introducing high school teachers to green chemistry, that is, the use of chemical products and processes that reduce or eliminate substances hazardous to human health or the environment.

High School Teachers Program

SUNDAY, MARCH 21, 2010
9:00 AM – 5:00 PM

Parc 55 Hotel
55 Cyril Magnin Street
San Francisco, CA 94102

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 239th National Meeting in San Francisco, CA March 21–25, 2010. More than 14,000 scientists are expected to attend, and over 12,000 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 San Francisco Convention Center and hotels around the city.

The High School Teachers Program will be held at the Parc 55 Hotel.



ACS
Chemistry for Life™

www.acs.org

HIGH SCHOOL PROGRAM

Sunday 9:00 AM – 5:00 PM

Morning Program

Welcome

Symposium organizers, **Jennifer King**, *The Community School* and **Irvin Levy**, *Gordon College*

Green chemistry: A call to arms

Keynote lecture, **John Warner**, *Warner Babcock Institute for Green Chemistry*

Learn why new challenges require a greater diversity of people to become chemists and find out about the exciting opportunities for students in chemistry.

A greener chemistry classroom: Why now?

Mary Kirchhoff, *American Chemical Society*

Explore strategies for greening the high school chemistry curricula.

Go green for Earth Day with the Journal of Chemical Education

Laura Slocum, *University High School of Indiana*, **Mary Harris**, *John Burroughs School*, and from the *Journal of Chemical Education*, **Norbert Pienta**, **Linda Fanis**, and **Erica Jacobsen**.

Find out about the JCE Earth Day resources, including a hands-on activity that complements Earth Day.

Green chemistry and sustainable science education at the K-12; Activity #1

Amy Cannon, **Rachel Pokrandt**, and **Brooke Carson**, *Beyond Benign Foundation*

Learn how to introduce the concepts of green chemistry to your students in a way that connects chemistry to their world.

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, **Jeffery Hepburn**, *Winner of the James Bryant Conant Award in High School Chemistry Teaching* will present a collection of ideas, thoughts, and methods will be presented to demonstrate how an instructor can sustain "chem-thusiasm" among their chemistry students.

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 the ACS Division of Chemical Education.

Afternoon Program

Activity Session

Activity event featuring four different hands-on green chemistry activities. All participants will have time to become familiar with each of the four activities. Take-home materials will provide information to use the activities in their own school settings.

ACS GCI green chemistry resources and links

Robert Peoples and **Jennifer Young**, *ACS Green Chemistry Institute*

Learn about the ACS Green Chemistry Institute, explore a few examples of green chemistry and engineering in action as well as receive a listing of reference materials and weblinks (some free, some not) with practical information for use in the classroom.

GEMs: Creating and using educational resources

Julie Haack, *University of Oregon*

GEMs is a community—supported database of Greener Education Materials for Chemists, a comprehensive resource of educational materials including laboratory exercises, lecture materials, course syllabi and multimedia content. Find out how high school educators can contribute to this valuable resource and become members of the Green Chemistry Education Network.

Strategies for incorporating green chemistry in your classroom

James Hutchison, *University of Oregon*

Green chemistry provides outstanding educational opportunities to engage students, at all levels. Explore how you can take advantage of the opportunity in the high school setting and tailor these materials to your classroom as well as build support for your efforts within your institution.

Discussion & Concluding Remarks

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 \$95.00. Early registration ends on February 16, 2010. Register after that or on-site and you will need to pick up your badge at the ACS Attendee Registration (Moscone Center).


REGISTRATION METHODS


There are several ways to register for the meeting:

 **Online:** www.acs.org/meetings (credit cards only)

 **Phone:** 800-251-8629 or 508-743-0192 (credit cards only) by March 19, 2010

 **Mail** completed form with payment to: ACS Registration c/o CDS, 107 Waterhouse Road, Bourne, MA 02532 by March 19, 2010

 **Fax** completed form with payment to: 508-759-4552 (credit cards only) by March 19, 2010

 **On-site:** San Francisco Moscone 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 on Sunday, March 21, 2010, from 6:00 P.M. to 8:30 P.M., Monday, March 22, 2010, and Tuesday, March 23, 2010, from 9:00 A.M. – 5:00 P.M. and Wednesday, March 24, 2010, from 9:00 A.M. – 1:00 P.M. in the Moscone Center, Halls B and C.