

# HIGH SCHOOL



## TEACHER PROGRAM

Philadelphia, PA  
August 21 - 25, 2016

### REASONS TO ATTEND the ACS National Meeting in Philadelphia

- Only **\$105** includes the high school program, exposition hall, and the whole ACS meeting
- Networking opportunities, including a free lunch and reception on Sunday
- Try out some hands-on activities during the Sunday and Monday programs
- Earn Professional Development Hours
- Sign up for the Monday morning Polymer workshop and your registration may be reimbursed

#### WHAT TEACHERS HAVE ENJOYED ABOUT PAST PROGRAMS:

“As a new teacher, I learned how to take some of the old labs I’ve seen and adapt them”

“Great presentation! Really interesting connection between class and current research.”

“Loved the practical applications done by real teachers”

Visit [www.acs.org/hsday](http://www.acs.org/hsday) for more information



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# SCHEDULE

## High School Chemistry Teacher Program

Sunday, August 21, 2016 | 8:30 AM - 4:30 PM

**Organizers:** Sally Mitchell and Audrey Smeltzer Schwab

Green Chemistry: Connections to Our World	Kate Anderson
Developing a High School Organic Chemistry Course	Esther Hines
Atoms, molecules, and ions – Oh my! Teacher-designed inquiry activities with particulate models	Ellen Yeziarski
Advancing Scientific Literacy with Inquiry Based Lessons Designed Around ChemMatters Articles	Kathy Chesmel
Student centered activities from JCE & ChemEd X	Deanna Cullen
Ötzi the Iceman Meets the New IUPAC Periodic Table of the Elements and Isotopes	Peter Mahaffy
Innovative Technologies for Chemistry Instruction	Terence Laughlin
Climate Science in Context; providing teachers with tools to elevate climate science literacy	Gregory Foy
ChemClubs – fun, food and outreach	Karen M. Kaleuati
Why Data Collection?	Tom Loschiavo
Creating a Culture of Safety in the Science Classroom	Regis Goode
Edible Materials Science with Kitchen Chemistry	Sherri Rukes

## Polymer Science of Everyday Things: Polymers for Beauty, Sports and Leisure

Monday, August 22, 2016 | 8:30 AM - 11:45 AM

**Presenter:** Sherri Rukes

Lotions, potions, and scrubs: Polymer science in cosmetics

Polymers and elastomers in sports

## Chemistry Explained by Teachers for Teachers: The Chemistry behind Everyday Things

Monday, August 22, 2016 | 1:30 PM - 5:00 PM

**Presenters:** Sherri Rukes, Debbie Goodwin, Andrew Nydam, Caryn Jackson, Edmund Escudero

Teach engineering principles on the cheap with concrete

Composites and their uses

Cars: A fun and relevant way to teach chemistry

BioPlastic: Going from synthetic to natural polymers

Polymer food chemistry: Have fun with polymer chemistry by making Mountain Dew'viar

Chemistry of toys

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