The website will be unlocked from 6:45 pm ET on Tuesday, 09/22/2020 through 8:00 pm ET on Wednesday, 09/23/2020.

Please post comments and suggestions during the webinar to Twitter - #aactwebinars

www.teachchemistry.org
Resources and Website Open House
September 22, 2020

Jesse Bernstein, AACT President
Heather Weck, Immediate Past President
Greta Glugoski-Sharp, President-Elect
• Jesse Bernstein
• Miami Country Day School (Retired)
• Miami, FL
• Hawken School (Retired)
• Cleveland, OH
AACT Immediate Past-President

- Heather Weck
- Harriton High School
- Rosemont, PA
What is AACT?

Why join AACT?

What are the Member Benefits?

What is the cost?

AACT is the first national association for K-12 teachers of Chemistry!

It is a community of passionate teachers who share resources and a love of teaching chemistry.

Brought to you by ACS!

www.teachchemistry.org
What is AACT?

Why join AACT?

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What is the cost?

AACT members share strategies, find support, ask questions and overcome classroom challenges!

Members can find innovative ideas for their students and opportunities to learn from other teaching professionals.

www.teachchemistry.org
What is AACT?

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What is the cost?

www.teachchemistry.org

• Quality teaching resources
• Professional Development
• Access to ACS Publications
• Science Coaches Program
• Chemistry Solutions
• ChemMatters
What is AACT?
Why join AACT?
What are the Member Benefits?
What is the cost?

Only
$45
$25 for preservice teachers

www.teachchemistry.org
Teaching Resources

1. Classroom Resource Library
2. Multimedia Library (simulations, animations, videos)
3. ChemMatters magazine subscription
4. Chemistry Solutions online periodical subscription
Resource Library

• Dedicated resources for elementary, middle and high school teachers
• Over 850 lesson plans, lab experiments, activities, and demos
• Each resource includes a teacher guide and student resources
• Many resources include NGSS and/or AP alignment
Resources for Remote Instruction

Kitchen Chemistry Collection
hands-on physical science and chemistry activities that are available in our library, and require only tools and/or materials that are typically found in the kitchen
• Dedicated resources for **elementary**, **middle** and **high** school teachers
• Over 850 lesson plans, lab experiments, activities, and demos
• Each resource includes a teacher guide and student resources
• Many resources include NGSS and/or AP alignment
AP Units

The teaching resources highlighted in this collection are intended to support student understanding of the Learning Objectives outlined in the AP curriculum.

- **Unit 1: Atomic Structure and Properties**
  - VIEW RESOURCES (13)
- **Unit 2: Molecular and Ionic Compound Structure and Properties**
  - VIEW RESOURCES (10)
- **Unit 3: Intermolecular Forces and Properties**
- **Unit 4: Chemical Reactions**

Related Articles

- Mole of Reaction: Application in Limiting Reactants
- Taking Inspiration from the AP Chemistry Reading
- Reflections of an AP Chemistry Exam Reader
- The AP Chem Exam Is Over - Now What?
- Peer Instruction for AP Chemistry
- Starting off on the Right Foot
- AP Chemistry for All

Related Webinars

- Using ChemCollective and the Online Learning Initiative to Simulate Laboratory Experiments
- Building Virtual Labs and Activities with Formative
Multimedia

- Simulations (21)
- Videos (47)
- Animations (13)
- Resources (68)

**Simulations** (9)

**Founders of Chemistry Video Series** (9)

**Animations** (10)

**Sam Kean’s Disappearing Spoon Video Series** (12)
Student Video Access

- Generate up to 10 passcodes per year
- Each passcode valid for up to 7 days
- No limit to number of students who can use a passcode

30f82
ChemMatters is an ACS publication and AACT member benefit written for high school chemistry students.

- Published Quarterly: October, December, February and April
- Digital and/or hard copy delivery
- Full Digital Access for Members

ChemMatters Archive

Free articles
- Vaping: What You Need to Know
- Open for Discussion: When to Ban a Product
- Setting Standards, Keeping Jets in the Air and Athletes Honest

Teacher's Guide (.doc)
Includes teacher's guides for all articles, correlations to NGSS, and connections to CCSS

Spanish Translation of "Vaping: What You Need to Know" (.pdf)
Chemistry Solutions is an online periodical written by teachers sharing innovative tips and ideas with other teachers.

- Online periodical published quarterly: September, November, March and May
- Each volume includes:
  - 30 to 34 articles
  - 4 multimedia resources
  - 10 to 20 lessons
Access up to 50 ACS periodical articles each year
➢ JChemEd
➢ ACS eBooks
➢ C&EN

Visit the ACS Publications Home Page.
Stay Connected

News & Updates

• Current AACT events
• Announcements
• Featured news
• New multimedia and classroom resources
Opportunities

Content Resource Writing Opportunities This Past Year

• K-8 Content Writing Team – February through May 2020
• Forensic Chemistry Content Writing Team – June and July 2020
• Chemistry in Context & AACT Content Writing Team - November and December 2020
• AACT & ChemMatters Content Writing Contest - Coming in November 2020
• Monthly Content Writing Themed Contributions – Started in June 2020 and on-going

teachchemistry.org/news
Professional Development

• Webinars for PD credit
  • 20 – 24 each school year
  • All webinars archived for AACT members

• Professional learning opportunities
  • Conferences and events
  • Grants, Awards, Scholarships
  • Workshops and Learning
  • ACS Opportunities

[Past Webinars]

- Facing the Challenges of an Early Service Teacher of Chemistry
  - Topics: first year, lab, planning, curriculum, early-service
  - Date: September 7, 2016

- Incorporating PhET Simulations into Topical Units in High School Chemistry
  - Topics: simulations, technology, inquiry, curriculum
  - Date: February 9, 2016

- AP Chemistry Exam Review with Paul Price
  - Topics: AP Chemistry, advanced, review, exam
  - Date: April 6, 2016

- Why Flip? Reach Every Student in Every Class, Every Day
  - Topics: flipping, technology, teaching methods
  - Date: January 12, 2016

[Webinar archive]

[teachchemistry.org/professional-development]
Science Coaches

Details

• A chemist and an AACT teacher member partner together
• Coach and teacher may select each other and apply together
• OR each may apply individually and be matched by AACT.
• Teachers and chemists meet six times during the year.*
• *Science Coaches* teacher’s school will receive a $500 donation from ACS to enhance science education OR $550 donation if one buys directly from Flinn Scientific.

Applications open April 1 - September 1 each year.
1. Visit the website - Unlocked tonight at 6:45 pm ET through tomorrow at 8:00 pm ET
2. Follow us on Facebook
3. Sign up for the monthly eNewsletter
4. Follow us on Twitter @AACTconnect
5. Become a member today!

www.teachchemistry.org
To complete a brief survey about this webinar, and to generate your certificate of attendance, visit:


To Download Resources:


Want to present a webinar? Send an email!

AACTwebinar@acs.org