Resources, Professional Development, and Networking

August 6, 2020
What is AACT?

• A membership organization open to anyone with an interest in chemistry education, but primarily serving K–12 teachers

• AACT is funded and brought to you by the American Chemical Society (ACS), the world’s largest scientific society

• AACT membership is separate from ACS members, though some individuals hold dual membership
AACT Membership

Over 7,500 members

• 89% are K–12 teachers of chemistry
• 372 international members from 59 countries
• 456 student members
AACT Goals

1. **Resources**
   Continue to develop and improve instructional resources at a rate of 10% per year to increase the number and engagement of AACT members.

2. **Networking**
   Increase number and quality of opportunities for networking and communication among current and future AACT members.

3. **Professional Development**
   Increase participation, impact, and relevance of professional development opportunities for all chemistry educators.
AACT Member Benefits

Resources
- *ChemMatters* subscription
- Online periodical, *Chemistry Solutions*
- Multimedia (animations, videos, simulations)
- Lesson plans
- Access to ACS Publications

Networking
- Access to mentors through Science Coaches
- Local outreach through regional representatives

Professional Development
- Webinars for professional development credit
- Workshops
- Compensated curriculum development opportunities

Only $45
$25 for preservice teachers
Resources

Chemistry Solutions

• Six complete volumes, 24 issues
• 229 articles

Featured Articles

MAY 2020 | RESOURCE FEATURE
🔒 Using Escape Rooms in the Chemistry Classroom

In this resource feature article, the author describes her use of two escape room activities in the chemistry classroom. One

MARCH 2020 | RESOURCE FEATURE
🔒 Designing a Greener Le Châtelier’s Principle Lab

Are you interested in teaching core chemistry content with safer materials? This article

NOVEMBER 2019 | CLASSROOM COMMENTARY
🔒 AP or IB: What’s the Difference?

The author is frequently asked questions about IB and AP chemistry, including, What's the
General Resource Library

- Over 850 lesson plans, labs, and demos

Multimedia

- 80 videos, animations, and simulations

Classifying Matter Animation. From the AACT animation collection: teachchemistry.org/classifyingmatter
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
Resources for Remote Instruction

Student Passes

- Good for 7 days
- Works for videos and animations

AACT Member-Only Content

You have to be an AACT member to access this content, but good news: anyone can join!

Join Now »  AACT member benefits »
Login »  Forgot User Name or Password?

Have a student video passcode? Enter it below to access our videos and animations.

d84c7  Submit

Need Help?
Take Home Labs

By AACT on March 19, 2020

Teaching chemistry remotely is challenging even under ideal circumstances, but the emergence of COVID-19 is making it even more difficult. ACS and AACT are committed to helping teachers provide quality resources to help them deliver engaging lessons to their students in the coming weeks. The following teaching resources are currently unlocked and open to all educators and parent to use with their students.

In March 2017, the article *Take Home Labs: Making Science Real* was published in *Chemistry Solutions*, AACT’s online periodical. The article helps answer an ongoing question: How do we provide students with more lab time? Amiee Modic from Katy, TX, explained how take home labs can cover new concepts, review material, provide extra credit, and provide increased exposure to science in everyday life.

Given the current circumstances, take home labs can engage your students with chemistry experiments safely while they are learning remotely. All of the labs mentioned in the article are...
Resources for Remote Instruction

At Home Activities for K-8 Students

By AACT on March 24, 2020

Teaching physical science and chemistry is challenging even under ideal circumstances, but the emergence of COVID-19 is making it even more difficult. ACS and AACT are committed to helping K-8 science teachers provide quality resources to help them deliver engaging lessons to their students in the coming weeks.

The following K-8 teaching resources are currently unlocked and open to all educators (and parents!) to use with students. Each activity can be done with materials that are commonly found at home, and includes a short video of the activity. The presentation in the sidebar gives a quick overview of each activity and includes links to resources and the corresponding videos.

Chemical reactions! All students enjoy watching and performing them and these four resources include reactions that only use household chemicals.

- The Inflating a Balloon with Chemistry demonstration uses the reaction between vinegar and baking soda to inflate a balloon and introduce the concept of a chemical reaction to students. In addition to observing the reactions, they will also identify evidence of a chemical change and talk about the different types of matter that are involved.

- Then use the Comparing Chemical Reactions lab to compare the baking soda and vinegar reaction to that of Alka-Seltzer and water. They then analyze the results to help understand...
Webinars

Browse by:

Select Category  Select Year

1 – 25 of 135 Webinars

TEACHING RESOURCES | AUGUST 6, 2020

Classroom Resources for K-12 Teachers of Chemistry from the American Chemical Society

The Education Division of the American Chemical Society (ACS) offers many resources and programs to help elementary science teachers, middle school physical science teachers, and high school chemistry teachers enhance their lessons. Join us and learn about the American Association of Chemistry Teachers (AACT), our Chemistry in the Community textbook, ChemClubs, two K-8 websites, Inquiry in Action, and Middle School Chemistry, ChemMatters magazine, the Science Coaches program and Hach Grants.
Professional Development

Teacher Learning

Professional development and teacher learning opportunities from the chemistry education community.

**Conferences and Events**

Find a local or nation conference, meeting, or similar professional development event.

**Grants, Awards & Scholarships**

Apply for funding through grants and scholarships, and learn about recognition awards for teachers of chemistry.

**Workshops and Professional Learning**

From online courses to safety workshops, find additional education opportunities and resources to enhance your teaching.

**American Chemical Society (ACS) Opportunities**
For More Information

To learn more about AACT, sign up for updates, or become a member, please visit teachchemistry.org.

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Facebook /AACTconnect
Twitter @AACTconnect
Questions?