Type them into questions box!

“Why am I muted?”
Don’t worry. Everyone is muted except the presenter and host.
Thank you and enjoy the show.
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Hundreds of presentations from the best and brightest minds that chemistry has to offer are available to you on-demand. The edited recordings are divided into 6 different sections to help you more easily find what you are searching.

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Learn how to write better abstracts, deliver more engaging presentations, and network to your next dream job. Brush up on your soft skills and set a new career path by mastering what can not be taught in the lab.

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From renewable fuels to creating the materials for the technology of tomorrow, chemistry plays a pivotal role in advancing our world. Meet the chemists that are building a better world and see how their science is making it happen.

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How do ideas make it from the lab to the real world? Discover the ins and outs of the chemical industry whether you are looking to start a business or desire a priceless industry-wide perspective.

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ACS visits campuses across the world offering FREE seminars on how to be published, find a job, network and use essential tools like SciFinder. ACS on Campus presents seminars and workshops focused on how to:

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- Find a job
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- Communicate your science
- Write grant proposals
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Browse ACS Resources and Initiatives!

www.acs.org/covid-19
ACS Career Navigator: 
Your Home for Career Services

Whether you are just starting your journey, transitioning jobs, or looking to brush up or learn new skills, the **ACS Career Navigator** has the resources to point you in the right direction.

We have a collection of career resources to support you during this global pandemic:

- Professional Education
- Virtual Career Consultants
- ACS Leadership Development System
- Career Navigator LIVE!
- ChemiDP
- College to Career
- ACS Webinars
- Virtual Classrooms

Visit [www.ACS.org/COVID19-Network](http://www.ACS.org/COVID19-Network) to learn more!

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**Free Upcoming ACS Webinars!**

**Interviewing in a Covid World**

*Wednesday, July 1, 2020 at 2:30pm ET*
*Speakers: Willy Tynan, Mergers Group*
*Moderator: Paul Christopher, American Chemical Society*

*What You Will Learn:*
- How to prepare for an interview
- How to conduct the interview remotely
- How to follow up after the interview

*Co-produced with: ACS Diversity Programs and the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)*

**Chemistry of Fireworks**

*Thursday, July 2, 2020 at 2:30pm ET*
*Speakers: Chris Mocatta, U.S. Customs and Border Protection Laboratories*
*Moderator: Andrew Maynard, University of Michigan*

*What You Will Learn:*
- The basic "how do" principles in pyrotechnic reactors
- Chemical ingredients in fireworks
- Special effects: color generation and "stars"

**Ignition, Sensitivity, and Analysis of Energetic Materials**

*Friday, July 3, 2020 at 2:30pm ET*
*Speakers: Chris Mocatta, U.S. Customs and Border Protection Laboratories*
*Moderator: Dennis Griffin, University of Iowa*

*What You Will Learn:*
- Principles of ignition and initiating pyrotechnic compositions
- Principles of ignition sensitivity and sensitivity testing techniques, such as heat, spark, friction, and impact
- Common analytical techniques for pyrotechnic compositions, such as spectroscopy, luminescence, microscopy, and thermanalysis

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Promoting excellence in science education and community outreach!

- **Kitchen Chemistry**: These hands-on physical science and chemistry activities require only materials that are typically found in the kitchen.
- **ACS Bridge Program Partnership**: ACS-BP provides research experience, advanced coursework, mentoring, and coaching to prepare students for a applying to graduate school. Learn how your chemistry department can participate. Apply by September 1.
- **Science Coaches**: Science Coaches pairs chemists with teachers to enhance the science skills of students across the United States. Apply by September 1.

**Resources for Educators**
- Educational Resources
- Courses for Educators
- Standards & Guidelines

**Resources for Students**
- High School
- Undergraduate
- Graduate/PhD/Doctorate

**Find Outreach Activities**
- National Chemistry Week
- ChemWeek Celebrate Earth Week
- Web & Chemistry
- Science Coaches

**Explore Chemistry**
- Adventures in Chemistry
- Periodic Table of Elements
- Landmarks in Chemical History

**Browse Books and Magazines**
- ChemMatters
- Chemistry in Context
- sciChemistry
- Inquiry in Action

**Explore Committees**
- Education (DCED)
- Professional Training (PPT)
- Technical Affairs (TFA)
- Project SEED
- Community Activities (CAA)

**Browse the AACT Store**

AACT Member Benefits

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

**Networking**
- Q&A for chemistry pedagogy, classroom techniques, etc.
- Online network of members

**Professional Development**
- Webinars for professional development credit
- Mentoring for new chemistry teachers

https://www.acs.org/content/acs/en/education.html

https://www.teachchemistry.org
The *Journal of Chemical Education* is the official journal of the Division of Chemical Education of the American Chemical Society, co-published with the American Chemical Society Publications Division. Launched in 1924, the *Journal of Chemical Education* is the world’s premier chemical education journal. JCE typically addresses chemical content, activities, laboratory experiments, instructional methods, and pedagogies. The Journal serves as a means of communication among instructors of chemistry from middle school through graduate school, professional staff who support these teaching activities, as well as some scientists in commerce, industry, and government.

ACS Publications Journals, Books and News

*an indispensable resource for educators*

- Prepare lecture and lab curriculum
- Increase diversity in STEM education
- Support accessibility
- Teach by example
- Assign supplemental reading
- Build communication skills
- Connect concepts to current events
- Add historic context
Disclaimer

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Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

What courses do you currently teach?

• Elementary (K-5) science courses
• Secondary (6-12) science courses
• Advanced placement chemistry courses
• Post-secondary General/introductory chemistry courses
• Post-secondary in-depth chemistry courses

* If your answer differs greatly from the choices above tell us in the chat!
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What You Will Learn

- Ways remote education is advancing STEM education
- How the broader education community is working together
- Resources our community of educators found most effective for teaching chemistry online
Continuing Conversation

May 27: #AskACSEditors Twitter Chat
June 4: C&EN Table Talks
June 15: ACS Webinar – The Future of the Chemistry Lab Course
June 24: JCE Virtual issue: Laboratory Learning
June 30: ACS Webinar – Teaching Remotely Together: Lessons Learned
September 2020: JCE Special issue - Teaching in the time of COVID-19

Today’s Panelists

Ways remote education is advancing STEM education
How the broader education community is working together
Resources our community of educators found most effective for teaching chemistry online
How do you feel your transition to remote teaching went?

- Epic disaster
- Not great, but ok given the circumstances
- Decent, I might have even done some things pretty well but there’s also room for improvement
- Pretty well overall, but there are a few things I need to tweak/figure out
- Fantastic because I was born ready!

* If your answer differs greatly from the choices above tell us in the chat!

The Journey through the Process and Stages

- Triage to remote instruction (Initial pivot → End of term)
- Continuing remote instruction (spring quarter, summer sessions, fall, beyond?)
- Resuming face-to-face instruction (with or without social distancing)

We are all in this together, regardless of which stage we may be in individually
What parts of your teaching did you learn the most about and plan to utilize moving forward? (Select all that apply)

- Technological (tools)
- Instructional (delivery and assessment)
- Pedagogical (format/design)
- Philosophical (principles)
- Professional (community)

* If your answer differs greatly from the choices above tell us in the chat!

Is remote education advancing STEM Education?

- Ways remote education is advancing STEM education
- How the broader education community is working together
- Resources our community of educators found most effective for teaching chemistry online
What support structures and/or communities did you utilize in your transition and during remote instruction?

- Network of colleagues at campuses/districts
- Existing communities (AACT, VIPER/IONIC, OrganicERs)
- Literature
- Organizations (associations, societies)
- Vendors (publishers, lab, technology platforms)

* If your answer differs greatly from the choices above tell us in the chat!

How Broader Education Community Works Together

- Ways remote education is advancing STEM education
- How the broader education community is working together
- Resources our community of educators found most effective for teaching chemistry online
What resources did you personally find to be most helpful in teaching chemistry remotely?

- Technical support (tools)
- Instructional materials (delivery and assessment)
- Pedagogical approaches (format/design)
- Philosophical (principles)
- Professional and emotional support (community)

* If your answer differs greatly from the choices above tell us in the chat!

Most Effective in Teaching Chemistry Online

- Ways remote education is advancing STEM education
- How the broader education community is working together
- Resources our community of educators found most effective for teaching chemistry online
Final Thoughts

• Ways remote education is advancing STEM education
• How the broader education community is working together
• Resources our community of educators found most effective for teaching chemistry online

ACS Resources and Much More...

The chemistry community has a wide range of resources to assist with teaching remotely in various and changing circumstances, some of which are compiled at the link below. To facilitate use of this list, resources are organized into the six categories considered during the webinar.

1. Overall
2. Professional (community)
3. Philosophical (principles)
4. Pedagogical (format / design)
5. Instructional (delivery and assessment)
6. Technological (tools)

http://www.acs.org/content/dam/acsorg/events/popular-chemistry/Slides/2020-06-30-remote-teaching-resources.pdf
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