



ChemEd X: An Online Community for Chemistry Teachers

Who We Are

Chemical Education Xchange (ChemEd X, www.chemedx.org) provides a welcoming place for high school and college chemistry teachers to collaborate globally, to communicate experiences, and to share pedagogical ideas and tips. All ChemEd X content is moderated and includes articles and activities, which are peer-reviewed by high school and college-level chemistry teachers, as well as blogs, “picks,” and event announcements. Registered users (sign up for free) can enjoy interactive features by asking questions and providing comments. New and experienced teachers alike have contributed curriculum resources and ideas they have used successfully in their own classrooms. Among the topics considered are Modeling Instruction, project-based learning, technology applications, and standards-based grading.

Our Mission

To provide an online platform that allows readers and contributors to:

Xplore resources and activities related to the central science

Xperience with one another the profession of teaching chemistry

Xtend outside the boundaries of traditional chemistry

Xchange knowledge, ideas, and instructional materials

“ ChemEd X is like the ultimate teacher staff room. Every teacher there is passionate, kind, and great at what they do. They are always willing to help and share, and I always come away as a better educator. It is a huge bonus for my students. ”

Chad Husting
Sycamore High School

Our History

ChemEd X has a long association with the *Journal of Chemical Education (JCE)*. For many years, *JCE* offered chemistry teachers resources beyond the scope of the journal itself via *JCE* Online. *JCE* Online included software collections, assessment resources, and other materials specifically of interest to the chemistry teaching community.

In 2009, the Division of Chemical Education of the American Chemical Society and ACS Publications entered into an agreement to co-publish *JCE*. The shared publishing agreement did not include many *JCE* Online resources. Given the popularity and usefulness of those resources, now called “legacy material,” chemedx.org was created in 2012 to host the

resources. However, ChemEd X offers much more than the *JCE* Online resources and has become a virtual home for members of the high school chemical education community.

Since its inception, ChemEd X has not only continued to host legacy material, but has expanded to become a dynamic space for collaboration and community building. Recognizing its significance to the high school community as well as its application to other communities of practice within chemical education, the ACS Division of Chemical Education Board of Publication has established Chemical Education Xchange as an independent entity operating separately from *JCE* with its own Editor-in-Chief and staff. Jon Holmes, former editor of *JCE Software* and *JCE Online* and currently Managing Editor for *JCE*, has been selected by the Board of Publication to serve as Editor-in-Chief for ChemEd X. Although *JCE* and ChemEd X are now separate entities and feature different kinds of content, they continue to share similar goals and to support each other in advancing teaching and learning in chemistry.

The screenshot shows the ChemEd X website homepage. At the top, there is a navigation bar with the ChemEd X logo, menu items for 'Xplore', 'Xperience', 'Xtend', and 'Subscribe', and a search bar. Below the navigation bar, the page is organized into several sections: 'Xplore' featuring a photo of a person in a lab; 'Xperience' with a grid of member portraits; 'Xtend' with social media icons and a tweet; 'Activities' with a diagram of a balance scale; 'Articles' with a poster for 'HIGH SCHOOL CHEMISTRY DAY'; 'Blogs' with a 3D molecular model; and 'Picks' with a colorful pattern. A large blue banner reads 'Welcome to the Chemical Education Xchange (ChemEd X)'. Below this, there is a 'ChemEd X and You' section with links to 'Contribute to ChemEd X' and 'Subscribe to ChemEd X', and a 'Chemistry Topics' section listing 'Acid-Base Chemistry applications of chemistry aqueous solution chemistry Atomic Properties / Structure conductivity consumer chemistry Demonstrations'.

Our Future

ChemEd X intends to serve communities of practice within chemical education. Other than the pre-college community where we currently concentrate, look for ChemEd X to provide services to the two-year college and the chemical education research communities starting this year. ChemEd X Conferences, a virtual conference service at conference.chemedx.org, is currently organizing its first conference and we expect to offer this service to other chemical education communities. ChemEd X strives to serve as a virtual home for its communities of practice and as its communities expand and identify desired online services, we will endeavor to provide those services.

How To Get Involved

In order to thrive, ChemEd X depends on content contributed by members of the chemical education community. To review the types of content you might contribute to ChemEd X, please go to www.chemedx.org. To submit content, go to "[Request to contribute](#)."

Interactive features (such as posting comments) are available to registered users and registration is free. [Registered users](#) may choose to receive monthly newsletters highlighting recent content and may also request their own personal blog to informally share ideas.

A paid [subscription](#) provides critical support for ChemEd X. Paid subscribers gain access to premium ChemEd X content, which includes legacy material formerly available at *JCE Online* with the "Chemistry Comes Alive!" video and image collection, the "ChemEd X video collection," and other instructional web-based software.

ChemEd X is maintained by chemistry teachers as a service to their peers. Deanna Cullen, a high school chemistry teacher from Michigan, serves as the Editor for the pre-college community. Twelve "lead contributors," representing a wide variety of expertise in the field, serve as advisors and most contribute content on a regular basis.

Readers can follow ChemEd X on [Facebook](#) or on [Twitter @ChemEdX](#).

For Further Information

The following *Journal of Chemical Education* articles provide more information:

[JCE Chemical Education Xchange](#)

Jon L. Holmes DOI: 10.1021/ed3007617

[JCE Chemical Education Xchange: X Marks the Spot for Finding Quality Chemistry Education Resources](#)

Deanna M. Cullen DOI: 10.1021/ed300790q

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Editor

“ As a teacher, my best ideas, inspiration, and encouragement come from other teachers. ChemEd X provides a platform for me to share my best practices, learn from others, and engage in the chemistry education community. I find myself posting more to ChemEd X than my own blog because I know my posts will be seen by more people, and I will receive meaningful feedback from fellow educators. ”

Lauren Stewart
Sylvania Northview High School



www.chemedx.org