

ChemEd X: An Interactive Hub for Chemistry Teachers

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Abstract:

The Chemical Education Xchange (ChemEd X, <http://www.jce.divched.org/>) is an online presence serving mostly high school and community college chemistry instructors. The *Journal of Chemical Education* hosted some online resources for that group of teachers for many years. The resource was called *JCE Online*. In 2010, JCE entered into an agreement with American Chemical Society Publications, but JCE Online was left out of that agreement. JCE editors considered alternative housing for the well used resources. They also wanted to use a more interactive platform that would allow for a more dynamic resource hub. ChemEd X went live in 2012 and has been growing ever since.

ChemEd X: Online Chemistry Teacher Community

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Welcome to the Chemical Education Xchange (ChemEd X)

Chemistry Education Collaboration

Welcome to the Chemical Education Xchange (ChemEd X)! We hope to strengthen the community of chemistry educators by providing learning resources and forums for discussion and collaboration right here at this site. Take a look, and join in.

Mass of a Reaction Product

Students combine sodium carbonate and hydrochloric acid generating carbon dioxide gas which

Navigation

- Activities
- Blogs
- Picks
- Tweets
- Contact

Fig 1. Screen shot of ChemEd-X Homepage

Many of the materials that high school teachers use daily originated from manuscripts published in the *Journal of Chemical Education (JCE)*. *JCE* has served the chemistry education community for more than 90 years by offering print resources. *JCE* offered high school teachers other resources via *JCE Online* for many years. These resources included software collections, assessment resources, and other items of specifically for the high school teaching community.

In 2010, ACS Publications purchased the rights to the print version of *JCE*. That agreement did not include *JCE Online* resources. Given the popularity of the resources, stakeholders looked for a place to house the digital resources. The managing editor of *JCE*, Jon Holmes, created a website to called [Chemical Education Xchange \(ChemEd X\)](#). This interactive site provides a welcoming place for high school and college chemistry teachers to collaborate globally. The ACS Division of Chemical Education provides support for ChemEd X. Teachers can find chemistry related blogs, activities, videos and other resources. Registered users can enjoy the interactive features of the site by commenting, asking questions and sharing their own comments and ideas when they are logged in to the site. Potential authors are encouraged to contribute. Teachers interested in contributing may submit a [“Request to contribute”](#) form. There are [guidelines](#) for reference. Manuscripts are peer reviewed by a panel of high school and college level chemistry teachers.

By [registering](#), users will enable the interactive features, including the ability to comment and bookmark. They will also receive monthly newsletters highlighting new content. Members may request a personal blog forum to informally share ideas. Blogs and comments are moderated and reviewed to ensure that the material is correct and meets the standards of the chemistry education community.

Many of the legacy resources require a [paid subscription](#), but all of the newer resources are completely free. Subscribers have access to the “Chemistry Comes Alive!” collection, which has pictures, animations and videos of chemical interactions and lab techniques; “ChemEd X Video Collection”; Nomenclature software and other resources. ChemEd X is currently integrated with Facebook and Twitter.

Although ChemEd X was created to house legacy *JCE Online* digital resources, ChemEd X is a separate entity. The two venues share many of the same goals. Those goals include encouraging

high school teachers to share and supporting them in writing their manuscripts.

ChemEd X is a powerful tool for high school and introductory college-level chemistry teachers to find curricular materials, technology suggestions, pedagogy tips and more. Experienced teachers have contributed curriculum resources and ideas they have used in their own classrooms. The interactive aspects of ChemEd X provide a powerful platform for exciting collaborations between teachers around the globe. Chemistry teachers are encouraged to visit ChemEd X and become a member of the community.

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

[JCE Chemical Education Xchange](#)

[By Jon L. Holmes](#)

[DOI: 10.1021/ed3007617](#)

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

[By Deanna M. Cullen](#)

[DOI: 10.1021/ed300790q](#)

The following ChemEd X pages provide more information about ChemEd X:

[Where Do I Find My JCE Online Stuff?](#)

[Welcome to the Chemical Education Xchange](#)