The Role of the *Journal of Chemical Education* in Teaching and Learning

Notes about *JCE* Laboratories Highlighted in the Webinar


*D. Cullen* found common misconceptions about electrochemistry and inspiration for an inquiry based lab from this article.


This is the article about revising the model in the Huddle article. You will find the student and teacher documents in the Supporting Information. (Note that the laboratory was written as part of the Target Inquiry program at Grand Valley State University (GVSU). You can access more Target Inquiry activities by registering for a free account.


Be sure to check out the Supporting Information to find Instructor Notes and a Student Document. You can also find a ChemEd X blog post and video, *Use Your Smartphone as an Absorption Spectrophotometer*, that augment the original *JCE* article. If you are logged in to ChemEd X, you can also ask questions and interact with the author, Tom Kuntzleman.

**Campbell, Brewer, Martinez and Fitzjarrald, Using Beads and Divided Containers To Study Kinetic and Equilibrium Isotope Effects in the Laboratory and in the Classroom, Journal of Chemical Education, Vol. 94 (8), p. 1118-1123.**


You can find a blog and video at ChemEd X that augments this article. It was also highlighted in the ChemEd X Virtual Conference: Chemistry Instruction for the Next Generation. This article is designated AuthorChoice. These articles are open access. Downloading these articles will not count against the 25 free downloads available as part of your AACT and/or ACS membership. AuthorChoice articles can be easily identified by their logo.

You can find a growing list of AuthorChoice *JCE* articles at ChemEd X.
Notes about *JCE* Chemical Education Research Highlighted in the Webinar


- This supporting information offers teacher and student documents. These activities were also written as part of the Target Inquiry program at GVSU (mentioned above).

*If you are doing an extensive search on a topic....look for the lists of related content and lists of more recent articles that have cited the article you are reading.*


Martina Rau augmented this research article by publishing a blog that includes a video on ChemEd X.

**Other Articles of Interest to the Precollege Community**

**Toledo and Dubas, A Learner-Centered Grading Method Focused on Reaching Proficiency with Course Learning Outcomes, *Journal of Chemical Education*, Vol. 94 (8), p. 1043-1050.**

This article is about using standards based grading.
ACS Editors’ Choice articles are chosen from those recommended by editors of each ACS journal. These articles exemplify the ACS commitment to improving people's lives. These are a few recent examples of JCE articles that have been chosen to be open access.


Find more Editor’s Choice articles: http://pubs.acs.org/editorschoice/
JCE at ChemEd X

Erica Jacobsen, a former precollege editor for JCE, writes a monthly feature for ChemEd X, Especially JCE, that highlights items from each issue of JCE that might be of special interest to the precollege community.

Over 100 JCE Classroom Activities were created for the precollege community and published in JCE. ChemEd X has compiled a list of abstracts along with links that will take you directly to the activities on the JCE platform.

JCE Classroom Activity #92: Testing for Iodine in Table Salt is an example of one that has been expanded upon in a blog and video at ChemEd X.

In closing, I hope that the webinar has not only shed some light on the value of the Journal of Chemical Education, but that attendees have a better understanding of how valuable the supporting information is for precollege teachers. I also tried to provide a number of suggestions for making the most of the AACT/ACS member benefit of 25 downloads. Of course, AACT is highlighting JCE articles of interest on TeachChemistry.org. You can read their August review: https://teachchemistry.org/news/highlighting-jchemed-using-connected-chemistry-as-a-formative-assessment.

Please reach out if you have any questions.

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