

April 19-20, 2013

Infusing INQUIRY into the General Chemistry Laboratory



Do you struggle to define “inquiry” and/or implement it in your chemistry curriculum?

Do you want to edit your laboratory experiments to make them more inquiry-based, but don't know how?

About the Workshop

Join us as we gather general chemistry instructors to help put the buzz-words into action in Kansas high school and college laboratories.

Participants will work in teams partnering college faculty, pre-service teachers and in-service high school chemistry teachers in order to combine areas of expertise in content and pedagogy. The team composition capitalizes on members' diverse perspectives and will help strengthen the bridge between high school and college-level chemistry.

Attendees will gain a better understanding of the five essential features of inquiry and they will leave with a collection of experiments that incorporate those features, including an edited activity of their own. To support these outcomes, the workshop schedule includes:

- an interactive lecture that offers an overview of inquiry-based labs
- hands-on experience completing a model, inquiry-based lab experiment
- dedicated time to re-design a lab as an inquiry exercise
- opportunities to collaborate with chemistry educators from a variety of backgrounds.

Who Should Apply

We encourage applicants to identify teammates in advance of the workshop so that they are making natural, and hopefully, lasting connections with area educators. Each teammate will need to complete an individual application and simply list the names of the other two members. Teams should include: a **college chemistry faculty member** who teaches first-year general chemistry, a **high school chemistry teacher**, and a **secondary education major** who intends to be certified in chemistry. The workshop organizers can also help match individual applicants to form teams if those individuals are unable to identify partners from their region.

Workshop Presenter

Dr. MaryKay Orgill is an Associate Professor of Chemistry at the University of Nevada, Las Vegas. In addition to her university courses, she delivers professional development courses designed to increase the science and mathematics content knowledge of local elementary and secondary school teachers.

Audience:

Postsecondary Chemistry Instructors, Pre-service Teachers & High School Chemistry Teachers

Location:

Emporia State University

Date and Time:

Friday evening, April 19, 2013
5:30–9:00 P.M.

Saturday, April 20, 2013
8:00 A.M.–8:00 P.M.

A tentative schedule is available online at www.emporia.edu/jones

Fee: \$75 per person

Need-based scholarships are available through the generosity of the Wichita Local Section of the American Chemical Society.

Application Deadline:

Friday, March 8, 2013, 5:00 P.M.
Notifications of acceptance will be made by March 15, via e-mail.

Graduate credit is available through Emporia State University

Questions? Contact Diane Nutbrown at dnutbrow@emporia.edu

Sponsored by:

*Jones Institute for Educational Excellence
Wichita Local Section of the ACS
Phi Delta Kappa
ESU NSTA-Student Affiliates
ESU ACS-Student Affiliates
ESU Department of Physical Sciences*



Apply online at www.emporia.edu/jones/