CHEM Pilot: Active and Engaged Teaching in the Sciences

Student Learning Outcomes:

After completing this assignment undergraduate CHEM students will be able to...

- Develop a topic and search strategy for researching the topic
- Evaluate sources for rhetorical value
- Present background information, current news information, pros/cons related to the topic, and original research on the topic to the class

Active Teaching Techniques for this pilot:

- Flipped classroom
- Birds of a feather
- Small group work – community of practice
- Think/Pair/Share
- Team-based learning and Peer-teaching
- Self-evaluation and peer-evaluation
- Collaborative discussion
- Research as inquiry (ACRL Framework)
- Panel discussions and presentations

Technology Tools for Collaborative Learning:

- Google Drive integration with Library e-resources
- Shared Folders
- Google Slides

Citation Tools

- Library database citation tools
- MLA 8th edition

References for Developing the Pilot Lesson Plan

