

Institute Agenda

Each day will consist of two morning sessions and one afternoon laboratory session. The first morning session will focus on "Teaching an advanced Placement Chemistry Course" and the "2017 Exam." The second morning session will review one of the major AP chemistry topics, using past AP exam questions pertinent to that day's topic to reinforce learning. **Topic order is subject to change as are labs. The major focus of the Institute will be the Curriculum Framework(CF), incorporating the CF into AP chemistry, and guided inquiring, especially as it relates to labs and the new AP lab requirements.**

Day 1

- 1 Introductions
Beginning a Course-Requirements for Success; Structure/Use of Time; Recruitment of Students; Incorporating Big Ideas 1 and 2, associated Enduring Understanding, Essential Knowledge, and Learning Objectives into AP chemistry course
2017 Exam Questions 1 and 2
- 2 Survey of Equilibrium; sample exam questions; guided inquiring introduction chemistry
- 3 Equilibrium Lab

Day 2

- 1 Textbook Selection; Homework and Tests; Teaching Strategies; 2017 Exam Questions 3 and 4
Incorporating Big Ideas 3 and 4, associated Enduring Understanding, Essential Knowledge, and Learning Objectives into AP chemistry course
- 2 Survey of Kinetics; sample exam questions
- 3 Kinetics Lab

Day 3

- 1 AP* Audit; Laboratory Work/Lab Manuals; Reference Material; 2016 Exam Question 5,6
Incorporating Big Idea 5, associated Enduring Understanding, Essential Knowledge, and Learning Objectives into AP chemistry course
- 2 Survey of Thermochemistry; sample exam questions; incorporating guided inquiring labs into AP chemistry
- 3 Thermochemistry Lab

Day 4

- 1 Exam and Course Changes; Exam Taking Strategies to Review/Preparing for the AP* Test; 2016 Exam Question 7; Incorporating Big Idea 6, associated Enduring Understanding, Essential Knowledge, and Learning Objectives into AP chemistry course
- 2 Survey of Electrochemistry; sample exam questions; wrap-up
- 3 Electrochemistry Lab

Institute participants are asked to bring the following items:

- 1 Full function calculators**
- 2 30 copies of a favorite demonstration, laboratory activity, class exercise, or other material of interest to fellow participants. Plan on 10 minutes per participant's show and tell including a demonstration if you wish, assuming the Institute site can provide material for the demonstration.**
- 3 Please bring your own goggles**