AP Summer Institute for Chemistry Teachers

Instructors: Valerie A. Ferguson, Moore High School, Moore, OK and John I. Gelder, Ph.D., Oklahoma State University, Stillwater, OK

This institute is designed to assist participants in their quest to improve their teaching of AP Chemistry.

Topics to be discussed will include: equilibrium, kinetics, solution chemistry, chemical reactions, electrochemistry, thermodynamics, acid-base chemistry, structure of the atom and quantum theory applied to atomic structure and other topics as time allows. Lecture/discussion will incorporate World Wide Web materials including computer generated animations.

Participants will have an opportunity to practice laboratory activities in equilibrium, chemical kinetics, thermodynamics, and ionic reactions and solubility. Participants will be able to use CBL technology during the laboratory investigations.

Mornings will be devoted to theory discussion and afternoons to laboratory activities. Theory discussions will take advantage of multimedia presentations using the animations included on the Animations in Chemistry CD-ROM. This institute has a WEB site (http://intro.chem.okstate.edu/2003APInstitute) containing institute and internet resource materials. AP Summer Institute links are located in the left-hand frame. Participants will have access to this Web site before, during and after the summer institute.

While this institute will integrate technology in all components, participating teachers do not have to be computer experts.

The Institute will be an excellent opportunity to network with other AP Chemistry teachers from Oklahoma and other states.

Course cancellation will occur if an insufficient number of teachers enroll. All participants will be contacted if cancellation occurs.

Instruction will take place in the OSU Physical Sciences building. Housing and meals are included in the Institute fees and will be available on-site in OSU dormitories. Rooms will be single occupancy and all meals will taken in the dorm. Towels and linens will be provided.

Your application must be received by June 30, 2003 to reserve a space. The Oklahoma State Department of Education will provide payment up to $575 per teacher for qualifying AP Chemistry teachers who attend and participate in the entire institute. If you are not an Oklahoma teacher please contact John Gelder, directly, to establish fee payment requirements. The fees cover all tuition, housing and food from 8:30 a.m. Monday, July 7, 2003 through 12:00 p.m., Friday, July 11, 2003. For more information and to complete the OnLine registration form go to:

http://intro.chem.okstate.edu/2003APInstitute

Or you may complete the attached Registration form and return to:

John I. Gelder
Department of Chemistry
Oklahoma State University
Stillwater, OK 74078
REGISTRATION FORM

Name

Home Address

City __________________________ State ______ ZIP ______

School Name

School Address

City __________________________ State ______ ZIP ______

Home Phone ____________________ Number of years teaching AP Chemistry ______

E-mail __________________________

AP Summer Institute
Department of Chemistry
Oklahoma State University
Stillwater, OK 74078