

July 9- 13, 2001

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 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 and spectrophotometers 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/>) 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 experienced 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.



Summer Institute Fees: \$550  
Your application must be received by June 26, 2001 to reserve a space. The Oklahoma State Department of Education will provide payment up to \$550 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 9, 2001 through 12:00 p.m., Friday, July 13, 2001.

Complete the attached Registration form and return to;

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

For more current course information, or to register online go to <http://intro.chem.okstate.edu/>

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 be taken in the dorm. Towels and linens will be provided.

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



**Oklahoma State University  
Stillwater, Oklahoma**

Institute  
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Chemistry  
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**July 9- 13, 200**

Visit our Web site for more information or  
register online,

<http://intro.chem.okstate.edu/>