

UCI
Summer Science Institute
July 31 – August 18, 2000
for
K-12 Teachers of Science

Opportunities for Professional Growth in Science
All courses are referenced to the California Science Content Standards

Below are brief descriptions of the courses and their content area focus.
The courses are explained in more detail on the following pages.

1. **Reading and Art Interfaced with Science - Grades K-5.** *Content Area Focus: Reading, Art and Science.*
Integrate all three areas in the classroom while students seamlessly learn the content of the various standards.
2. **Chemistry is a Blast - Grades 3-6.** *Content Area Focus: Chemistry,*
Enhance your understanding of the basic concepts of chemistry that deal with matter and realistic strategies to teach those concepts.
3. **Physical Sciences with Mathematics Integration - Grades 3-8.** *Content Area Focus Physical Science.*
Understand the physics and mathematics involved from flight to bottle rockets. to silly putty.
4. **Best of the Exploratorium and Lawrence Hall of Science - Grades 7-12.** *Content Area Focus Physical Science.*
Experience hands-on, cohesive and meaningful activities integrated with the science content necessary to understand light, electricity and chemistry. Construct your own classroom science materials.
5. **Earth Resources - Grades 6-9.** *Content Area Focus: Earth Science.*
Trace the origin, growth, uses, processing, renewal and conservation of our natural resources. Individual students learn research and presentation skills as they investigate materials and share with fellow students.

Continued on next page

- 6. Using Internet Resources in the Classroom – *Grades K-12. Content Area Focus; Life Earth or Physical.***
Develop lessons around the content area of your choice and then publish them on the Institute web pages.
- 7. Ecology of Orange County – *Grades K-8. Content Area Focus; Life Earth & Physical.***
Explore the ecology and geology of Orange County through a field studies approach. An integrated investigation of life, earth and physical sciences of the unique abiotic and biotic factors of our county.
- 8. Independent Study - *Grades K-12, on your own time. Content Area focus; Life Earth or Physical Science.***
Align your curriculum to the Standards, develop a science curriculum unit or undertake a teacher based classroom research project.

TEACHERS, Grades 7-12!

We offer additional summer programs with an academic year component entailing a variety of professional development opportunities. If you are interested in such an opportunity, please contact us – email or telephone.

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