

# SUMMER ENRICHMENT AND PRE-COLLEGE PROGRAMS - SUMMER 2009

## Center for Science, Mathematics, and Technology Education



The Center for Science, Mathematics, and Technology Education (CSMATE), at Colorado State University, recognizes that partnerships between public school teachers and university faculty are a growing and mutually rewarding avenue for disseminating state-of-the-art teaching tools and methods to enhance teacher performance and, most importantly, student learning.

Sponsored by the College of Natural Sciences, and created in 1989, CSMATE is dedicated to promoting educational programs designed to encourage partnerships and provide teachers and students with innovative ways to build a solid foundation in science, mathematics and technology instruction and curriculum at all levels, K-16.

At the heart of CSMATE are the teacher enhancement programs that will help shape the future of science, mathematics, and technology education. The following is a tentative list of CSMATE's 2009 programs and workshops.

### The 2009 Summer Workshops include:

- **Keys to Science Institutes** are sponsored by Biological Sciences Curriculum Study and held at BSCS in Colorado Springs.
- **Fire Ecology** for K-12th grade teachers is sponsored by the Colorado Division of Wildlife and the U.S. Forest Service. For more information, contact Shawna Crocker at (303)202-4662 or [scrocker@lamar.colostate.edu](mailto:scrocker@lamar.colostate.edu).
- **The Annenberg/CPB Channel** has many professional development courses available that can either be viewed via Video on Demand or video tapes available at CSMATE. CSMATE, in cooperation with the School of Education, offers graduate credit for most courses. See page 3 of this bulletin for a full listing of Annenberg course offerings or visit the Annenberg website at [www.learner.org/channel](http://www.learner.org/channel).

Visit our website at <http://csmate.colostate.edu> for program updates.

*All CSMATE programs honor teachers as professionals and offer Colorado State University graduate credit, in-depth instruction, and hands-on classroom materials.*

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### SciTrek: Grades 10-12, June 22-26

What do scientists really do? Join the Center for Science, Mathematics and Technology Education researchers in conducting real research based on current issues. Students participating in SciTrek will learn how to be independent critical thinkers, read scientific literature, design and execute critical experiments, and interpret and represent results of complex scientific experiments. Research will be conducted in state-of-the-art learning studios using Small-Scale Science techniques with personal mentoring from first-class researchers and professors.

The program is for students who will be entering the 10th through 12th grades in Fall 2009 and will be held June 22-26, 2009 in the mornings. The program may be combined with the Summer Vet program to make a full day of science related activities. Call CSMATE at (970)491-1700 or visit <http://csmate.colostate.edu> for more information.

### The Summer Vet Program: Grades 10-12, June 22-26

The Summer Vet Program is a student's ticket to the world of veterinary medicine! For students who are serious about becoming a veterinarian, this is a super opportunity to look into the real and sometimes gritty field of veterinary medicine. Through presentations, demonstrations, laboratories, visits and in-depth, hands-on activities, students discover what modern veterinary medicine is about. Participants meet professors, practitioners and students in the discipline and have ample opportunity to talk with them.

The program is for students who will be entering the 10th through 12th grades in Fall 2009 and will be held June 22-26, 2009 in the afternoons. The program may be combined with the SciTrek program to make a full day of science related activities. Call CSMATE at (970)491-1700 or visit <http://csmate.colostate.edu> for more information.

### Rocky Mountain Summer Music Camp: 7th grade-recent high school graduates, July 12-17

Bands - Orchestra - Choir - Musical Theatre - Jazz Bands

Join other talented musicians for an exciting week of performing ensembles, individual instruction, master classes and a host of class electives to suit any need.

Call the Department of Music, Theatre and Dance at (970)491-5973 or visit <http://csumusiccamp.com> for additional information and online registration.

Visit the Summer Session homepage (<http://summer.colostate.edu>) for a complete listing of all youth programs including sport and athletic camps, horsemanship camp and agricultural camp or call the Summer Session Office at (970)491-1590.