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New Distance-Based Chemistry Course for Inservice Teachers

During the summer of 2003, a "dream-team" of chemistry educators was assembled to develop an online chemistry course for inservice teachers wishing to earn a Master's degree. The team included **Joe Staley, Scott Kemp, Tim Lensczyk, Kelly Suto, Kim Pacheco**, and was headed by **Dr. Stephen Thompson**. The course development was a collaboration between CSU and UNC and was funded by the CCHE. Now the course is being offered through CSMATE with funding through the NSF Math-Science Partnership program. The course is being taught by **Joe Staley** and features new curriculum materials developed by the Powerful Pictures project.



Summer Institute Focuses on Ecosystems

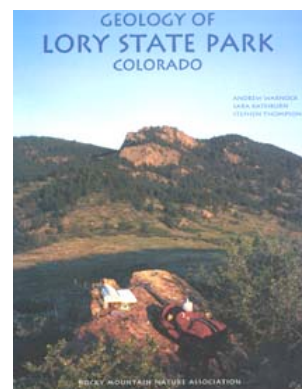
The week of June 14th, 38 middle and high school science teachers from rural and urban Colorado participated in the 2004 Colorado CLTW Professional Development Science Summer Institute led by CSMATE associates and staff, including **Dr. Nancy Kellogg, Mike Viney, Julie Sexton, Dr. Andrew Warnock**, and **Mary Klaas**. The institute consisted of classroom, laboratory, and field activities that explored the physical, biological, and chemical aspects of ecosystems, with an emphasis on Colorado ecosystems. Teachers also participated in workshops on technology, pedagogy, and assessment. As a follow-up to the institute, teachers conducted independent field studies on ecosystems and participated in online discussions.

[For more news, please visit our newsletter archive](#)

CSMATE is sponsored by the College of Natural Sciences at Colorado State University

New Field Activity Book

Drs. Andrew Warnock and Stephen Thompson along with **Dr. Sara Rathburn** from the Department of Geosciences have co-authored a new activity book titled *"Geology of Lory State Park, Colorado."* The book is published by the Rocky Mountain Nature Association and will be used in introductory geology courses at CSU and will be sold at Lory State Park and the CSU Bookstore.



CSMATE Facilitates GLOBE Workshops and Develops New Materials

The CSMATE GLOBE team facilitated five workshops for the GLOBE Program this summer. Participants came from Mexico, Trinidad & Tobago, and nearly every state in the U.S. The team also developed four new guides for the program. The titles include: GLOBE Student Research, GLOBE Map Tools, GLOBE Learning Communities, and GLOBE Preservice Education. The CSMATE GLOBE team is headed by **Dr. Andrew Warnock** and consists of **Shannon Spencer, Jaime Whitlock, Matt Gonzales, Barry Carroll, Courtney Butler, Dr. Christine Jones, Dr. Melinda Laituri, Mary and Matt Knipp, Dana Nilson**, and **Shelby Roberts**.

2004 Korean Science Teachers Project

Forty Chemistry and Physics teachers from South Korea visited CSU from July 18 through August 7 for the third annual **Korean Science Teachers Project**, which is a collaboration between the Korean Government and the CSU Office of International Programs, CSMATE, and the Little Shop of Physics. **Dr. Stephen Thompson** conducted a customized academic residency program in small-scale chemistry. **Dr. Christine Jones** and **Ms. Barry Carroll** coordinated programs that introduce the middle and high school teachers to the U.S. educational system as well as five national parks.