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Exciting New way to bring Small-Scale Chemistry even closer to the Point of Learning

The advent of the Tablet PC opens an exciting new world of possibilities for small-scale science experimentation. A new 20-minute video, featuring **Dr. Stephen Thompson**, previews just a small sample of the benefits of conducting science experiments directly on the screen of a pen-based Tablet PC. ([Learn more](#))



Institutes Focus on Physical Science and Mathematics

This Fall, middle and high school science (38) and mathematics (56) teachers from rural and urban Colorado will continue to participate in the Colorado CLTW Professional Development courses led by CSMATE associates and staff, including **Dr. Nancy Kellogg, Dr. Paul Kennedy, Mike Viney, Barb Patterson, Julie Sexton, Dr. Shashi Unnithan, Chris Romero, Janet Oien, Shelly Parsons, Dr. Andrew Warnock, Lori Reinsvold and Jane Brown**. Saturday face-to-face workshops linked together with distance-based education will

Dr. Fredrick M. Stein, the former Director of the Center for Science, Mathematics and Technology Education, CSMATE and Professor of Chemistry at Colorado State University, died October 14, 2005, at the age of 63. As the Director of CSMATE from 1991-1999, Dr. Stein developed and directed numerous inservice teacher enhancement, preservice education, and student-based programs which were funded by the National Science Foundation, the U.S.

Department of Education, Hewlett-Packard, and the Gates Foundation. These projects included the Rocky Mountain Teacher Education Collaborative, RMTEC, with UNC and Metro State, the Minority Initiative in Denver Schools, MINDS, and the Comprehensive Integrated Mathematics Initiative, CIMI. Before his work at CSU, Dr. Stein was the Director of the Philadelphia Renaissance in Science and Mathematics (PRISM) where he was the project director of the Comprehensive Regional Center for Minorities and teacher enhancement projects for middle school science. Dr. Stein held a Ph.D. in chemical physics from Indiana University and was a Professor of Physical Chemistry and Dean at Western State College in Gunnison, Colorado. He had been a Visiting Professor at Amherst College, the University of Colorado at Boulder, and the University of New Mexico. Since 1999, Fred was the Director of Education at the American

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take place during the academic school year. Participants are grouped into small inquiry teams led by CLTW fellows and staff. Teachers also will participate in workshops on technology and will each develop their own web sites showcasing the work they have done for the course.

Korean Science Teacher Project at Colorado State, July 14-August 8, 2005

CSMATE hosted 21 middle and high school science teachers from Seoul, South Korea, and conducted a customized rigorous academic residency program for them in Science Education. The program theme was "Energy and the Environment," and focused on the integration of theory and practice across science disciplines, and the latest scientific developments, educational reforms and innovative teaching methodologies in science. This project was directed by **Dr. Stephen Thompson**, Professor of Chemistry and Director of CSMATE. Since the summer of 2002, CSU has hosted a total of 140 South Korean science teachers. As an immersion in the American educational system, this program also includes school site visits to Poudre School District's Rocky Mountain, Poudre and Fossil Ridge High Schools and CLP and Kinard Junior Highs, where the Korean teachers met with their American counterparts, all PSD master teachers. In addition, to nurture a deeper understanding of the cultural and environmental diversity in Colorado and the American West, the Korean teachers participated in numerous cultural activities and travel to Rocky Mountain, Arches and Grand Canyon National Parks. The project was funded through the Seoul Metropolitan Office of Education. For further information, please contact **Ms. Barry Carroll**, Program Coordinator (491-1124), or **Dr. Christine S. Jones**, Asst. Director of CSMATE (491-2115).

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

Physical Society in Wash., D.C. Upon his retirement in 2004, he and his wife Claudia returned to Dillon, CO. He is survived by his wife, two daughters and four grandchildren. Dr. Stein will be remembered for his passion in reforming science, mathematics, and technology education, K-16.

50th Annual Colorado Science and Engineering Fair

The 50th Colorado Science and Engineering Fair was held at Colorado State University in the Lory Student Center on April 7- 9, 2005. Pictured below are the Colorado students who made it to the Intel International Science and Engineering Fair held in Phoenix, AZ May 8 - 14, 2005. Nine out of the 25 projects that these students presented won awards! Click [here](#) to learn more about these bright young scientists and engineers!



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