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## SciTrek: Real Science, Real Research in a Safe, Environmentally Benign & Interdisciplinary Context

What do scientists really do? Join Colorado State University Distinguished Teaching Scholar and Director of the Center for Science, Mathematics & Technology Education and Chemistry Professor **Dr. Stephen Thompson** in conducting real research based on current issues. Students participating in SciTrek will learn how to be independent critical thinkers, assess scientific literature through internet searches, design and execute critical experiments, and interpret and represent results of complex scientific experiments. At the end of the week, students will give a short presentation on their research and they will become published scientists through CSMATE's new on-line journal for pre-college research. 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. Come and join us for this unique experience! This program is scheduled for June 26 - 30, 2006 from 9 AM - 12 Noon at Colorado State University. SciTrek can be combined with the Summer Vet program for a full day of science-based activities. Students entering grades 9 - 12 in Fall 2006 who are interested in attending the SciTrek program should submit a Registration Form by May 31, 2006. ([Learn more](#))

## Bachelor of Science in Natural Sciences, BSNS Degree

CSMATE is the home of the Bachelor of Science in Natural Sciences, BSNS, degree which provides undergraduates with the subject matter, the education classes, and the classroom experience required for secondary science education licensure in Colorado. Graduates with

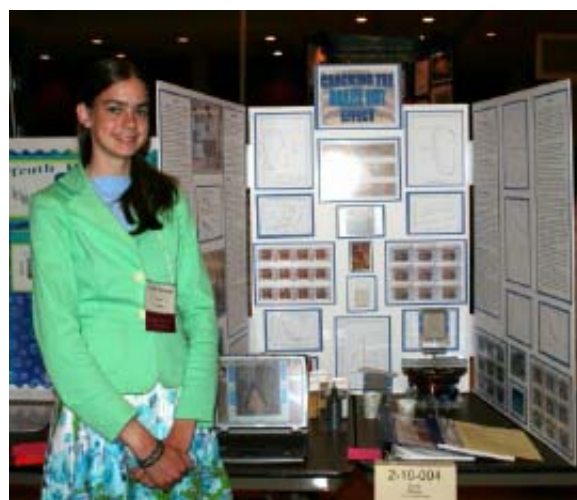
## Exciting New way to bring Small-Scale Chemistry even closer to the Point of Learning

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 surface of a pen-based Tablet PC. ([Download Video](#)) ([Learn more](#))

## Capstone CLTW Institutes

June 12-16, middle and high school science (20) and mathematics (25) teachers from rural and urban Colorado will participate in CLTW Professional Development courses led by CSMATE associates and staff, including **Dr. Stephen Thompson, Dr. Nancy Kellogg, Dr. Paul Kennedy, Mr. Mike Viney, Ms. Barb Patterson, Mr. Chris Romero, Ms. Janet Oien, Ms. Shelly Parsons, Dr. Andrew Warnock, and Ms. Lori Reinsvold**. The science institute will focus on Chemistry and the Environment and the mathematics institute will focus on Navigating through Number in Secondary Mathematics. These institutes mark the end of a highly successful five year multi-university collaboration effort funded by the National Science Foundation. ([Learn more](#))

## Colorado Student Brings Home Intel ISEF Top Award



**Meredith MacGregor** from Fairview High School in Boulder, CO won the Intel Foundation Young Scientist Award of a \$50,000 scholarship - this is the Intel ISEF's top award and is given to the top three students at each year's Intel ISEF. Meredith's research awarded her \$131,500 in cash and scholarships, a trip to Taiwan to attend the Taiwan International Science Fair, and a computer. Read more about Meredith's awards and other Colorado student awards [here](#).

licensure in secondary science education find a strong demand for high school and junior high/ middle school teachers in Colorado and elsewhere in the nation. In addition, these graduates will also have the background required for graduate science education programs. Concentrations in the natural sciences major include: biology education; chemistry education; geology education; and physics education. CSMATE hosts ED 460, Methods of Teaching Science, which has an enrollment of 30 preservice science teachers. The course is taught by, **Mr. John Knight**, veteran Master Science Teacher and Asst. Principal of Poudre H.S. in PSD. Please contact **Dr. Christine S. Jones**, Asst. Dir. of CSMATE and Key Advisor for the BSNS degree at 491-2115 for further information. ([Learn more](#))

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

## **Get WET Observatory Teacher Professional Development Workshop**

The Get WET Observatory is a new educational facility located along Spring Creek in Fort Collins. Teachers and their students will have unprecedented access to this observatory and associated water data. The workshop will take place June 21-23, 2006 and is hosted by **Dr. Andrew Warnock** (CSMATE), **Mr. Mike Viney** (PSD), **Mr. Dave Swartz** (PSD), and **Dr. Sara Rathburn** (Geosciences). It will emphasize content, pedagogy, analytical techniques, assessment, and technology that will enhance teachers' abilities to teach all of their students about the quantity and quality of surface and groundwaters. The workshop is open to teachers of grades 4-12 from northern Colorado and southern Wyoming. Stipend/CSU Credit available. ([Download Flyer](#)) ([Apply Online](#))

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