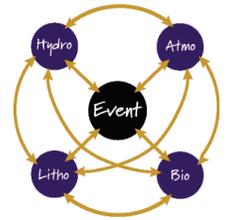




From the Ground Up: Pathways Connecting Earth Systems Teacher Professional Development Workshop



Sustaining student interest in science these days requires more than expensive new technology or flashy demonstrations. Increasingly it appears that engaging students in longer-term scientific research that has real world applications is critical, both in engaging students and helping them to do better on state and national assessments. It is also becoming clear that a student's sense of culture and place should be capitalized on in the process of generating excitement about the subject of the scientific research being performed. This course is designed to assist science teachers in shifting the paradigm from abstract and unconnected classroom activities, worksheets, and fact-based assessments to a well-organized learning progression that includes real problems, real measurements, real data from real places, real conclusions, real communications, and real cultural significance. The overarching themes of water, biodiversity, carbon, and climate change will be addressed by the study of one of our most precious resources: soil.

Workshop Dates:

June 19-25 and June 29
-Jul 1, 2009

Where:

Poudre Canyon and
Poudre Learning Center,
Greeley, CO

Credit Costs:

4 CSU graduate credits
for \$288
-OR-
5 District credits

Teacher Stipend:

Teachers will receive
\$2000 for participation.



We will start the workshop off by camping for two nights (June 19-20) in the Poudre Canyon (REQUIRED). We will cover camping fees, vehicles for transportation and meals during the camping trip, though you may be asked to help cook. Camping equipment (tents, sleeping pads, sleeping bags, etc.) may be borrowed from UNC Math and Science Teaching Institute. From June 22-25 and June 29-Jul 1 we will continue the workshop at the Poudre Learning Center. Lunch and snacks will be provided while we are at the Poudre Learning Center.

There is a cap of 18 participants for this workshop. Applications are due by May 15, 2009. Please visit www.csmate.colostate.edu/pathways-msp/ to apply. Please contact Kim Melville-Smith (kimberly.melville-smith@colostate.edu) with any questions.

FOLLOW-UP REQUIREMENTS: You will be required to pre/post assess your 2009-2010 classroom using the online assessment tool. More details will be provided during the workshop.

