

Teacher Enhancement Program for K-12 Educators

AT THE COLORADO SCHOOL OF MINES

SUMMER 2011



COLORADO SCHOOL OF MINES

Teacher Enhancement Program

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REGISTRATION

All of the courses announced in this brochure are coordinated through the Office of Special Programs and Continuing Education at the Colorado School of Mines. **Unless another organization or individual is specified as the registration contact in a course listing, enrollment forms and tuition check(s) should be mailed to:**

Teacher Enhancement Program
Office of Special Programs & Continuing Education
Colorado School of Mines
Golden, CO 80401-0028
(303) 279-3855

**To view current course listings or to order an official transcript, visit our home page at:
<http://te.csmspace.com>**

You must pre-register at least 48 hours prior to the start of a workshop (Saturday and Sunday excluded). Do not show up for a class without a confirmed registration from the Teacher Enhancement Office or person/organization taking the registrations. You are likely to be turned away by the instructor. CSM reserves the right to assign audit (non-credit) status with full tuition responsibility to walk-in participants.

TUITION AND REFUND POLICIES

Registration through Teacher Enhancement must be accompanied by full tuition payment by check or credit card authorization. If a course registrant cancels or transfers an enrollment, the tuition amount **minus** a \$25 cancellation/transfer fee will be refunded or applied to another course. Unless otherwise indicated, you must cancel at least 48 hours in advance of a workshop to qualify for a refund (Saturday and Sunday excluded). **Once a class has begun, no full or partial tuition refunds will be granted.** Colorado School of Mines reserves the right to cancel a course (usually one week prior to delivery) if the minimum enrollment is not reached (with full tuition refund to registrants). Colorado School of Mines and the Teacher Enhancement Office will not be liable for any other expenses incurred by registrants.

When paying tuition by check, please make out a **separate** check to "CSM Continuing Education" for **each** course and for **each** participant.

ATTENDANCE POLICY

Course participants are expected to attend each class session in its entirety. This includes arriving on time and staying until dismissal. Credit will be granted for a course only when the full contact hour requirements have been met. Missed sessions of a course cannot be made up by attending subsequent offerings of the same class or by completing additional assignments. In consideration of the instructor and other course registrants, **DO NOT** bring children of any age to class under any circumstances.

TRANSCRIPT AND CREDIT INFORMATION

The Teacher Enhancement Office and Colorado School of Mines cannot be responsible for meeting individual deadlines for credits toward teacher licensure and/or salary increases. Official transcripts for current course work can be printed upon written request approximately two weeks after the instructor submits course grades to the Teacher Enhancement Office. Individual letters of completion are not available. Graduate-level semester credit offered for each course is applicable for license renewal in the State of Colorado and is generally accepted elsewhere. The credit is not applicable toward a degree at CSM. Request for Transcript of Record forms can be found at <http://te.csmspace.com>.

All policies and requirements stated above are program-wide and not at the discretion of individual instructors. Enrollment in any course offered for CSM credit implies your agreement to comply with program policies and requirements.

All courses offered in cooperation with the Extended Studies Program of the Colorado Commission on Higher Education

Summer 2011 Course Offerings

WONDERS OF LIVING THINGS (K-12)

CT-1141-11D
0.5 semester credit hour
Date: June 4
Time: 8:30am-5:00pm
Location: The Wildlife Experience, Parker
Instructor: Laura Arndt
Tuition Fee: \$80

Discover inquiry activities from eight teaching trunks that you can check out for free from the Wildlife Experience. Each focuses on a different topic from "Wonders of Living Things" and includes all materials, artifacts, lessons, and complementary reading books.

To register or for more information, contact:
The Wildlife Experience
720/488-3344 or levans@twexp.org

ECOLOGICAL CATTLE RANCHING (K-12)

CT-0300-11D
3 semester credit hours
Dates: June 4-11
Location: Dove Creek
Tuition Fee: \$130 (**payable during workshop**)
Registration Fee: \$1,200 (includes all meals, bunkhouse, horses, tours; **\$250 deposit required**)

Learn how an ecological cattle rancher works to maintain the balance between man and nature. Be an active participant in herding cattle from one area to another to prevent overgrazing. Study desert flora/fauna and wild horse management while riding through the beautiful canyons of southwest Colorado.

To register or for more information, contact:
Catherine Entihar
970/883-2548 or cjscolors@frontier.net

RMNA TEACHER INSTITUTE (K-12)

CT-1044-11D
2 semester credit hours
Dates: June 6-9
Time: 8:00am-4:30pm
Location: Rocky Mtn. Nature Assoc., Estes Park
Instructors: J'Ann Wright, Rachel Balduzzi
Tuition Fee: \$50 (**payable during workshop**)

The RMNA Institute is designed to provide you with a hands-on learning experience while helping you explore the resources available through the RMNA and Rocky Mountain National Park. Develop ways to integrate environmental awareness and stewardship into your curricula. The first credit is paid through a grant from the Next Generation Fund.

To register or for more information, contact:
Rachel Balduzzi, Rocky Mtn Nature Assoc.
970/586-3262, Rachel.balduzzi@rmna.org

ITALY REVEALED: EXPLORING THE LAND OF THE ANCIENT ROMANS (K-12)

CT-0805-11D
5 semester credit hours
Dates: June 8-20
Location: Italy
Instructor: Joyce Webb
Tuition Fee: \$4,210 (includes airfare, lodging, ground transportation, entry fees)

Travel from Roman temples to medieval churches, and from the ruins of Pompeii to Vatican City's treasure trove. Walk through the Roman Forum and sleep in the city of Siena. Experience Florence, the artistic capital of the world; hike along Le Cinque Terra, the sun-drenched Italian Riviera; marvel at the Leaning Tower of Pisa; and absorb Venice, the most romantic city in the world.

To register or for more information, contact:
Joyce Webb, 719/229-5482
joycewebb@ymail.com
www.coloradorivertrip.com

DINOSAUR RIDGE TEACHERS' WORKSHOP (K-12)

CT-9206-11D
1 semester credit hour
Dates: June 9-10
Time: 8:30am-5:00pm
Location: Dinosaur Ridge Visitors Center, Morrison
Instructors: Pete Modreski, Norb Cygan
Tuition Fee: \$115

Experience an in-depth teacher orientation to the dinosaur bones and tracks found on Dinosaur Ridge near Morrison, and learn how to use them as a resource for teaching. There will be separate break-out sessions for activities keyed to primary and secondary grades, and visits to the new Trek Through Time Learning Center, the Morrison Natural History Museum, and the Triceratops Trail interpretive site near Fossil Trace in Golden.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

BELIZE: CORAL REEFS AND MAYA RUINS (K-12)

CT-1112-11D
5 semester credit hours
Dates: June 10-19
Location: Belize, Central America
Instructor: Melanie Phelps
Tuition Fee: \$2,210 (includes airfare, lodging, ground transportation)

Submerge yourself in the colorful world of the Belize coral reefs. Explore the fish as they change sexes, groom each other, and develop complex relationships of symbiosis. Then wander into the land of the ancient Mayans, with their extravagant architecture, rituals, and games.

To register or for more information, contact:
Melanie Phelps, 719/252-1789
melaniephe@aol.com
www.coloradorivertrip.com

THE ILLUSTRATED FIELD JOURNAL (K-12)

CT-9939-11D
1 semester credit hour
Dates: June 11-12
Time: 9:00am-5:00pm
Location: CSM campus, Golden
Instructor: Marty Colon
Tuition Fee: \$128

Learn to blend the approaches of artist, writer, and scientist to create a unique and powerful tool for exploring and learning about the natural world. Focus on skills and strategies for creating the Illustrated Field Journal regardless of artistic or writing experience.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

ROCKS AND MINERALS (K-12)

CT-9666-11D
1 semester credit hour
Dates: June 13-14
Time: 8:00am-5:00pm
Location: CSM campus, Golden
Instructors: Pete Modreski, Jane Dianich
Tuition Fee: \$95

Learn or review the basics of rocks and minerals in dynamic and interactive ways in order to engage your students to learn about them. Examine specimens, do activities, and tour the CSM Geology Museum. See 2 complementary field courses below.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

SCIENCE AND ART (K-6)

CT-0054-11D
2 semester credit hours
Dates: June 13-16
Time: 8:00am-5:00pm
Location: WarrenTech North, Arvada
Course Coordinator: Sue Berger
Tuition Fee: \$90 (**payable during workshop**)
Materials & Supplies Fee: \$0 (must preregister by April 15, 2011)

Learn how a science teacher and an art teacher can integrate science and art. Explore scientific background, perform hands-on science and art activities, acquire materials for classroom use, and receive an extensive literature resource list. A strong emphasis will be placed on the National Standards and Assessment. Work with hot air balloons, chromatography, papermaking, polymers and plastics, kaleidoscopes, and more.

To obtain an application, contact:

Sue Berger, 303/674-7386
sberger@mines.edu

DIGITAL PHOTOGRAPHY ONLINE (K-12)

CT-0562-11M
1.5 semester credit hours
Dates: June 13-July 10
Location: Online course
Instructor: John LaFerlita
Registration Fee: \$200

Learn how to take better photographs and to edit the images using the free online version of Adobe Photoshop Elements. Topics will include light, composition, nature (landscape and close-ups). This class is for beginners using a PC or a Mac with a DVD player. You will need a basic understanding of computers and the Internet. Instruction is by online videos created specifically for the class.

To register or for more information, contact:

John LaFerlita, 303/678-0312 or
laferlit@hotmail.com

DIGITAL PHOTOGRAPHY AND POWERPOINT ONLINE (K-12)

CT-05120-11M
1.5 semester credit hours
Dates: June 13-July 10
Location: Online course
Instructor: John LaFerlita
Registration Fee: \$200

Learn how to take better photographs and transfer them into PowerPoint. Emphasis will be on creating a more visually oriented presentation. This class is for beginners using a PC or a Mac with a DVD player. You will need a basic understanding of computers and the Internet. Instruction is by online videos that have been created specifically for the class.

To register or for more information, contact:

John LaFerlita, 303/678-0312 or
laferlit@hotmail.com

ADOBE PHOTOSHOP ELEMENTS ONLINE (K-12)

CT-0737-11M
1.5 semester credit hours
Dates: June 13-July 10
Location: Online course
Instructor: John LaFerlita
Registration Fee: \$200

Learn to edit photographs and create slide shows that you can use in the classroom with the free online version of Adobe Photoshop Elements. This class is for beginners using a PC or a Mac with a DVD player. You will need a basic understanding of computers and the Internet. Instruction is by online videos that have been created specifically for the class.

To register or for more information, contact:

John LaFerlita, 303/678-0312 or
laferlit@hotmail.com

DANCING WITH THE STARS... (GR. 1-7)

CT-0934-11D
1 semester credit hour
Dates: June 14-15
Time: 8:00am-4:00pm
Location: Steele Planetarium, Denver
Instructor: Ralph Sodano
Tuition Fee: \$130

...and rumba with the Earth and moon. Cover standards and content areas of the stars, sun, Earth, and moon. Obtain lots of insightful and hands-on activities that can be brought back into your classroom. Course will be supported by programs under the Steele Planetarium dome.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

WALKING TOUR OF BUILDING STONES IN DENVER (K-12)

CT-04131-11D
0.5 semester credit hour
Date: June 15
Time: 8:00am-4:30pm
Location: Downtown Denver
Instructors: Pete Modreski, Jane Dianich
Tuition Fee: \$75

Learn about rocks and geology as you tour historic Denver buildings in the vicinity of the State Capitol, Denver City and County Building, and the 16th Street Mall. Receive a copy of a field guide written specifically for school groups. See the complementary Rocks and Minerals class above.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

GEOLOGY OF SOUTH TABLE MOUNTAIN (K-12)

CT-1124-11D
0.5 semester credit hour
Date: June 16
Time: 8:00am-5:00pm
Location: Golden
Instructors: Pete Modreski, Jane Dianich
Tuition Fee: \$75

Overlooking Golden, the lava-capped Table Mountains are a classic site to see igneous and sedimentary rocks, foothill ecosystems, and how a landscape has developed since the beginning of the Tertiary Period. You will hike approximately 2 miles up the trail to South Table Mountain. See the complementary Rocks and Minerals class above.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

HANDS-ON SCIENCE ACTIVITIES (GR. 6-9)

CT-0829-11D
2 semester credit hours
Dates: June 20-23
Time: 8:00am-5:00pm
Location: WarrenTech North, Arvada
Course Coordinator: Sue Berger
Tuition Fee: \$90 (**payable during workshop**)
Materials & Supplies Fee: \$0 (must preregister by April 15, 2011)

Receive hands-on, discovery-oriented physical science activities that utilize inexpensive items and toys combined with real-world experiences that will enable your students to better understand abstract concepts. Align these activities with state science standards and assessments. Some of the topics covered will include global warming, electricity, wind and solar power, the scientific method, energy, weather, and Newton's Laws.

To obtain an application, contact:

Sue Anne Berger, 303/674-7386
sberger@mines.edu

ALL ABOUT MINING: A TOTAL CONCEPT OF THE MINING INDUSTRY (K-12)

CT-5700-11M
6 semester credit hours
Dates: June 20-July 15
Time: approx. 8:00am-early afternoon (except on all-day field trips)
Location: CSM campus, Golden
Instructors: more than eighty-five authorities from industry, government, academia & private groups
Course Coordinator: Dan Witkowsky, 303/972-1814, DanielWitkowsky@aol.com
Tuition Fee: \$250 (\$300 for registrations after May 31)

Obtain a general overview of the minerals industries, including geology, mining, ore-processing, environmental responsibility, career opportunities, etc., from industry experts via classroom lectures and nine days of field trips to surface/underground mines and processing plants. Finish the course with a set of lesson plans developed by course participants that you can apply in your classroom this fall.

To register or for more information, contact:

CMA Education Foundation, Inc.
303/575-9199, FAX 303/575-9194
www.allaboutmining.org

TEACHING COMPASSION AND RESPECT: HUMANE EDUCATION IN THE CLASSROOM (K-12)

CT-9157-11D
1 semester credit hour
Dates: June 21-22
Time: 9:00am-5:00pm
Location: Dumb Friends League, Denver
Instructor: Nicole Schimming
Tuition Fee: \$120

Learn easy ways to integrate lessons of kindness, compassion and respect into your current curriculum. Take grade-appropriate curriculum guides and information back to your classroom. Tour behind the scenes of our animal shelter, and learn about our services for pets and people of Colorado.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

PARIS TO NORMANDY: WORLD WAR I AND II SITES (K-12)

CT-0964-11M
4 semester credit hours
Dates: June 21-July 1
Locations: Belgium & France
Instructor: Joyce Webb
Tuition Fee: \$3,870 (includes airfare, lodging, ground transportation, entry fees)

Explore trenches and bunkers used during the German occupation of Belgium's North Coast. Tour the battlefields in Southern Belgium's Flanders Field; then travel to Normandy for an in-depth view of WWII's beaches, cemeteries and other war sites. Continue your journey to Paris for a visit to one of the world's best WWI and II museums. Learn how the German occupation affected Belgium, Paris, and the rest of France.

To register or for more information, contact:

Joyce Webb, 719/229-5482
joycewebb@ymail.com
www.coloradorivertrip.com

AQUARIUMS AND YOUR CLASSROOM (GR. 1-12)

CT-0259-11D
0.5 semester credit hour
Date: June 22
Time: 9:30am-5:30pm
Location: Downtown Aquarium, Denver
Course Coordinators: Colleen Shipley, 303/561-4565 or Alyce Todd, 303/561-4638
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$75

Take home a starter classroom aquarium. Practice aquarium set-up, learn maintenance tips, and try out a variety of activities that you and your students can do with your classroom aquarium as well as with our million-gallon version. Receive an interdisciplinary curriculum guide, go on a behind-the-scenes tour, and meet staff to discuss aquarium careers.

To register or for more information, contact:
Downtown Aquarium Sales & Service Center
303/561-4444

GEOLOGIC PRINCIPLES FOR EDUCATORS (GR. 5-12)

CT-1121-11D
1.5 semester credit hours
Dates: June 22-24
Time: 8:00am-5:00pm
Location: Dinosaur Ridge, Morrison
Instructor: Mike Zawaski
Tuition Fee: \$80 (**payable during workshop**)
Registration Fee: \$90

The first skill in learning geology is making good observations of rocks. Learn how to determine past environments that existed when different Colorado rocks formed, and why those rocks are now at the tops of mountains. Receive inquiry-based lesson plans and 40+ rocks. For more information, visit <http://observantnaturalist.org/teachers-rock.html>.

To register or for more information, contact:
Mike Zawaski, 970/302-8043
mike@observantnaturalist.org

GATES OF LODORE AND BROWNS PARK RIVER TRIP (K-12)

CT-1004-11M
5 semester credit hours
Dates: June 26-July 5
Location: Flaming Gorge Recreation Area, WYr
Instructor: Melanie Phelps
Tuition Fee: \$2,025

Explore the wilds of the West along the beautiful Green River. Delve into the geology of the Uintah Mountains, explore petroglyphs and dinosaurs of Vernal, and canoe past river otters, moose, and birds of Brown's Park Wildlife Reserve. White-water-raft for 5 days through one of the most spectacular canyons of the west – the Gates of Lodore.

To register or for more information, contact:
Melanie Phelps, 719/252-1789
melaniephe@aol.com
www.coloradorivertrip.com

HIGH COUNTRY EQUESTRIAN ADVENTURE I (K-12)

CT-9667-11M
3 semester credit hours
Dates:
Session I: June 26-July 1
Session II: July 10-15
Session III: July 24-29
Location: San Juan Mtns.
Tuition Fee: \$130 (**payable during workshop**)
Registration Fee: \$900 (includes all meals, group camping equipment, horse expenses, and wranglers; **\$250 deposit required**)

Take a horse pack trip through the beautiful wilderness area of the San Juan Mountains to observe flora and fauna in various altitude zones, incredible geological features, and the ecological impact of human activity in the mountains. You should be in good physical condition.

To register or for more information, contact:
Catherine J. Entihar
970/883-2548 or cjscolors@frontier.net

STUDYING WATER IN YOUR LOCAL STREAM (K-12)

CT-1123-11D
0.5 semester credit hour
Date: June 28
Time: 8:00am-4:30pm
Location: Prospect Park, Wheat Ridge
Instructors: Pete Modreski, Jane Dianich
Tuition Fee: \$75

Conduct hands-on field measurements to explore water flow and quality in a section of Clear Creek in Wheat Ridge. Learn about hydrology, ecology, geology, and fostering an appreciation for the natural environment.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

MUSEUMS OF PARIS (K-12)

CT-04132-11M
4 semester credit hours
Dates: July 1-9
Location: Paris, France
Instructor: Joyce Webb
Tuition Fee: \$3,370 (includes airfare, lodging, ground transportation, entrance fees)

Visit the Louvre, Orsay, Rodin, and Picasso Museums plus tour Versailles. Climb Notre-Dame, cruise the Seine, zip up the Eiffel Tower, and saunter down the Avenue des Champs Elysees to the Arc de Triomphe. Capture the romance and joie de vivre that Paris exudes.

To register or for more information, contact:
Joyce Webb, 719/229-5482
joycewebb@ymail.com
www.coloradorivertrip.com

WYOUTDOORS: ECOLOGY, GEOLOGY, AND INQUIRY (K-12)

CT-1053-11M
4 semester credit hours
Dates & Times:
7:00am, July 6 through 8:00pm, July 18
Locations: trip begins and ends in Des Moines, IA
Instructor: Kathy Megivern
Tuition Fee: \$170 (**payable during workshop**)
Registration Fee: \$1,195 (registration deadline April 10; includes camping fees, activities and most meals)

Experience the spirit of scientific inquiry and the value of outdoor education in this Wyoming-bound ecological "lithivacation" that carpools from the Midwest. Extensive hiking in varied terrain and temperatures will be an integral component of the course. Canoeing and rafting will also be included.

To register or for more information, contact:
Kathy Megivern
515/681-3271 or kathy.megivern@gmail.com

THE GRAND CANYON OF THE COLORADO – THE ULTIMATE RIVER EXPEDITION (K-12)

CT-0428-11M
3.5 semester credit hours
Dates: July 7-13
Location: Grand Canyon
Instructor: Melanie Phelps
Tuition Fee: \$2,740

Experience the stunning geology of more than two billion years of earth history as you whitewater raft through some of the world's most famous rapids. Includes 6.5 days on a motorized raft, helicopter airlift to the rim, flight on a twin engine plane, and all food. This is the ultimate river trip.

To register or for more information, contact:

Melanie Phelps, 719/252-1789
melaniephe@aol.com
www.coloradorivertrip.com

SCOTLAND: THE HIGHLANDS OF GLADES AND LOCHS (K-12)

CT-0706-11M
4 semester credit hours
Dates: July 9-17
Location: Scotland
Instructor: Joyce Webb
Tuition Fee: \$3,370 (includes airfare, lodging, ground transportation, entry fees)

Journey along mossy mountains, salty isles, and bottomless lochs. Taste haggis, hear bagpipes, and feel the winds of history blowing through the glens. Go time tripping through stone castles, and savor the pristine atmosphere of the Hebrides Islands. Wander with us and scan Loch Ness for legendary monsters.

To register or for more information, contact:

Joyce Webb, 719/229-5482
joycewebb@ymail.com
www.coloradorivertrip.com

FIELD STUDIES IN GEOLOGY: THE GREATER ALMA MINING DISTRICT (K-12)

CT-1117-11M
0.5 semester credit hour
Date: July 10
Time: 8:00am-5:45pm
Location: Cripple Creek Park & Recreation
Instructor: Steve Veatch
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$49

Explore the history of the Greater Alma mining district -- how it accelerated the settlement of the West, and the contributions the district made to the economic growth of Colorado. Life in frontier mining camps, early prospecting methods, and lode mining adapted to high elevations will be presented. Area geology will be reviewed, including recent mineral exploration and production. Includes transportation from Cripple Creek to Alma and a field guide.

To register or for more information, contact:

Cripple Creek Park & Recreation
719/689-3514

FORCE, MOTION AND ENERGY (GR. 7-10)

CT-0509-11M
2 semester credit hours
Dates: July 10-15
Times: 8:30am-4:00pm
Location: University of Denver
Instructor: Bob Stair
Tuition Fee: \$325

Cover all seven chapters of the Force, Motion, and Energy curriculum encompassing: 1) force and pressure in equilibrium, 2) motion of objects and waves, and 3) thermal, potential and kinetic energy. Perform 17 experiments. For each experiment you will discuss rationale for inclusion, teaching strategies, and the questions students pose.

To obtain an application, contact:

Science Curriculum Inc.
303/988-5041 or rstair@sci-ips.com

MIDDLE/HIGH SCHOOL IPS PHYSICAL SCIENCE (GR. 7-10)

CT-0786/CT-0845/CT-1039-11M
2 semester credit hours (each week)
Dates:
July 10-15 (chapters 1-5)
July 17-22 (chapters 6-11)
July 17-22 (chapters 12-16)
Time: 8:30am-4:00pm
Location: University of Denver
Instructors: Graden Kirksey, Peter Gendel, Bob Stair
Tuition Fee: \$325 (per week)

Cover 5, 11 or all 16 chapters of the 9th edition of the IPS text to enhance your knowledge and classroom performance in physical science. Experience the use of student experiments while developing an understanding of basic concepts and laboratory skills. The use of software in student experimentation and the evaluation of student work will be discussed.

To obtain an application, contact:

Bob Stair, SCI
303/988-5041 or rstair@sci-ips.com

EXPLORING THE ECOLOGY OF YOUR LOCAL LANDSCAPE (K-12)

CT-0841-11M
1 semester credit hour
Dates: July 11 & 13
Time: 8:00am-6:00pm
Locations: Denver and Centennial
Instructors: Raylene Owen, JoAnne Scarbeary
Registration Fee: \$35

Discover local watershed issues and assets through the use of inquiry-based lessons. Explore the full ecological and demographic diversity of a watershed including natural and human history, water supply, economic development, and land stewardship. For more information, visit www.cherry-creek.org.

To register or for more information, contact:

Casey Davenport
Cherry Creek Stewardship Partners
303/345-1675 or casey@cherry-creek.org

CAVES, CASTLES, AND COLORFUL CHARACTERS: HISTORY OF GLENWOOD SPRINGS TO MARBLE (K-12)

CT-1042-11M
1 semester credit hour
Dates & Times:
July 14 (8:00am-5:00pm)
July 15 (8:00am-4:00pm)
Locations: Glenwood Springs, Carbondale, Marble
Instructor: Tonya MacKendrick
Tuition Fee: \$50 (**payable during workshop**)
Registration Fee: \$145 (meals, lodging, and transportation on your own)

Experience the rich natural and human history of Glenwood Springs, Carbondale, and Marble. Pass into the underworld for a thrilling tour of the Fairy Caves. Enjoy learning about colorful characters such as Doc Holiday. Take a guided jeep tour to the historic Crystal Mills and Crystal City, learning about the rich mining history of the Marble area.

To register or for more information, contact:

Tonya MacKendrick, 970/835-4155 or
TJS4294@aol.com
www.wcolohistoricadventures.web.officelive.com

CLASSROOM PETS: SMALL MAMMALS IN THE CLASSROOM (K-12)

CT-0915-11M
0.5 semester credit hour
Date: July 16
Time: 9:00am-5:00pm
Location: Dumb Friends League, Denver
Instructor: Nicole Schimming
Tuition Fee: \$68

Does having a pet in your classroom foster learning? Does having a classroom pet teach responsibility? Explore these questions and more. Learn about different species of small mammals, including rabbits, ferrets, guinea pigs, and mice. Meet with some of these small creatures and decide if a classroom pet is right for you and your classroom.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

USING FORENSIC SCIENCE TO SOLVE A WILDLIFE CRIME (GR. 6-12)

CT-0748-11M
1 semester credit hour
Dates: July 16 & 23
Time: 9:00am-5:00pm
Location: Lone Tree Library
Instructor: Laura Arndt
Tuition Fee: \$125

Become an investigator of a wildlife crime with NSTA's forensics CSI curriculum book (can be purchased at the workshop). Practice eight forensic lab procedures; then piece together clues from the crime reports, interviews, and physical evidence. Finally, identify the victim, suspect, and violated wildlife laws. Course facilitated by the author.

To register or for more information, contact:

Laura Arndt
303/660-6925 or laura.arndt1@gmail.com

AUSTRALIA: REEFS AND RAINFORESTS DOWN UNDER (K-12)

CT-0606-11M
6 semester credit hours
Dates: July 17-August 5
Locations: Australia and New Zealand
Instructor: Melanie Phelps
Tuition Fee: \$5,140 (includes airfare, lodging, ground transportation)

Tiptoe through the ancient rainforest in search of the elusive cassowary; snorkel or dive beneath the crystal waters of the Great Barrier Reef; sojourn to the Outback to glimpse the Red Kangaroos; and camp on a secluded coral and mangrove island. Fly to Uluru to hike and explore the outback around Ayer's Rock and the Olga Mountains.

To register or for more information, contact:

Melanie Phelps, 719/252-1789
melaniephe@aol.com
www.coloradorivertrip.com

SILVER, GOLD, AND GHOSTS: HISTORY OF MINING IN THE SAN JUANS (K-12)

CT-0559-11M
1 semester credit hour
Dates & Times:
July 19 (8:00am-5:00pm)
July 20 (7:45am-3:30pm)
Location: Ouray
Instructor: Tonya MacKendrick
Tuition Fee: \$50 (**payable during workshop**)
Registration Fee: \$145 (meals, lodging, and transportation on your own)

Explore the history of silver and gold in the beautiful San Juan Mountains. Walk through old ghost town remains, and enjoy a guided tour through the Mayflower Mill and Old Hundred Gold Mine in Silverton. Finish with a guided jeep tour to the top of Imogene Pass to view historical mining sites along the way.

To register or for more information, contact:

Tonya MacKendrick, 970/835-4155 or
TJS4294@aol.com
www.wcolohistoricadventures.web.officelive.com

PEARL OF AFRICA – UGANDA (K-12)

CT-1007-11M
6 semester credit hours
Dates: July 19-August 3
Location: Uganda, Africa
Instructor: Joyce Webb
Tuition Fee: \$4,150 (includes lodging, ground transportation, entrance fees; does not include airfare)

Visit Africa's Great Rift Valley while tracking mountain gorillas, chimpanzees, and rhinos. View elephants, lions, zebras, giraffes, and a plethora of birds and other animals in their natural habitat. Trip includes a boat ride and rafting trip on the Nile River.

To register or for more information, contact:

Joyce Webb, 719/229-5482
joycewebb@ymail.com
www.coloradorivertrip.com

OCEAN LITERACY (PREK-12)

CT-0710-11M
0.5 semester credit hour
Date: July 20
Time: 9:30am-5:30pm
Location: Downtown Aquarium, Denver
Course Coordinators: Alyce Todd, 303/561-4638 or
Colleen Shipley, 303/561-4565
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$75

Even though Colorado is not near an ocean, we are tied to it in many ways. Ocean literacy is an understanding of the ocean's influence on you, and your influence on the ocean. Learn the 7 essential principles of ocean literacy through interactive lessons and visiting the Aquarium residents.

To register or for more information, contact:

Downtown Aquarium Sales & Service Center
303/561-4444

YOUR HOME IS YOUR HABITAT (PREK-12)

CT-0296-11M
0.5 semester credit hour
Date: July 21
Time: 9:30am-5:30pm
Location: Downtown Aquarium, Denver
Course Coordinators: Alyce Todd, 303/561-4638 or
Colleen Shipley, 303/561-4565
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$75

Take an in-depth look at aquatic and terrestrial habitats while participating in cross-curricular activities that you can take back to your classroom. Take home a curriculum guide that includes background information in each habitat as well as standards-connected activities to use both in your classroom and during future visits.

To register or for more information, contact:

Downtown Aquarium Sales & Service Center
303/561-4444

ROCKY MOUNTAIN MAMMALS (K-12)

CT-1126-11M
1 semester credit hour
Dates: July 23-24
Time: 9:00am-5:00pm
Location: CSM campus, Golden
Instructor: Marty Colon
Tuition Fee: \$125

The Rocky Mountains are blessed with a great diversity of wildlife. Learn how to easily identify mammals, see more wildlife, and how mammals and the Rocky Mountain landscape shape one another. Explore how the past has impacted current mammal distribution, and what the future holds for Rocky Mountain mammals.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

COLORADO ECOSYSTEM FIELD STUDIES (K-12)

CT-1122-11M
4 semester credit hours
Dates: July 23-31
Location: Cal-Wood Education Center, Jamestown
Instructor: Steven Johnson
Tuition Fee: \$170 (**payable during workshop**)
Registration Fee: \$600 (includes meals, group camping equipment, camping fees)

Focus on observation and scientific analysis of Colorado's ecosystem in this field-camp course at Cal-Wood's 1,200-acre outdoor classroom. Learn effective hands-on methods to conduct environmental field studies with your students. Investigate standards-based concepts in geography, earth science, and life science via instruction delivered with inquiry-driven activities incorporating data collection, small working groups, lecture, focused exploration and field trips. You must be able to hike 2-4 miles each day. For more information, visit www.coefs.org

To register or for more information, contact:

Steven Johnson
303/859-0173

WASTEWATER AND AQUATIC BIOLOGY (K-12)

CT-1082-11M
0.5 semester credit hour
Date: July 28
Time: 8:00am-5:00pm
Location: Metro Wastewater District, Denver.
Instructors: Steve Frank, Jim Dorsch, Julie Stahl
Tuition Fee: no charge (you must pre-register)

Obtain an introduction to the science behind wastewater treatment. Learn about industry efforts to preserve, protect, and improve aquatic environments while protecting public health. Tour a wastewater treatment plant, a working water quality laboratory, and the site of an aquatic habitat improvement program.

To register or for more information, contact:

Kelley Merritt, Metro Wastewater Reclamation
District
303/286-3455 or kmerritt@mwr.dst.co.us

UNDERSTANDING EVOLUTION (GR. 9-12)

CT-1059-11M
0.5 semester credit hour
Date: August 6
Time: 8:00am-5:00pm
Location: Univ. of Colorado, Boulder.
Instructors: Sierra Love Stowell and others
Tuition Fee: \$35 (**payable during workshop**; you must pre-register)

Enhance your evolution curriculum by obtaining information and sample classroom activities based on real research. All modules will be taught by University of Colorado graduate students and professors who research a diversity of fields. More information can be found at: <http://www.colorado.edu/ebio/teachingevolution/TeachingEvolution>.

To register or for more information, contact:

Sierra Love Stowell
303/748-1337 or cu.eeb.eoc@gmail.com

FIELD STUDIES IN GEOLOGY: GARDEN OF THE GODS (K-12)

CT-1142-11M
0.5 semester credit hour
Date: August 20
Time: 7:30am-6:30pm
Location: Cripple Creek Parks & Recreation
Instructors: Steven Veatch, Lucy Bell
Tuition Fee: \$35 (payable during workshop)
Registration Fee: \$25 (plus additional \$5 for movie)

Focus on processes of sedimentation and tectonics that are revealed in the rocks at Garden of the Gods. We will start on the west side of Manitou Springs where we'll look at the oldest rocks in the Pikes Peak region and the nonconformity beneath Paleozoic rocks. We will explore the magnificent rocks of the Garden of the Gods, the Fountain Formation and the Lyons Sandstone. The park's geologic history includes Colorado's "disappearing" mountain range, evidence of ancient oceans and deserts, dinosaur bones, and the uplift of the modern-day Rocky Mountains. Those who are not coming from Cripple Creek can meet at the Garden of the Gods.

To register or for more information, contact:
Cripple Creek Parks and Recreation
719/689-3514

Additional Programs of Interest

SOUTH PLATTE EDUCATION SERIES

CT-9421; **Build-Your-Own Natural History of Colorado**

A natural history series designed to your interests and teaching needs. Choose from a menu of courses which provide hands-on exploration of the wildlife and ecosystems along the S. Platte river. Combine classes on evenings and/or weekends to earn one semester credit hour. Visit our website at www.sspr.org/nature for class descriptions.

Contact Skot Latona, South Suburban Park and Recreation District, at 303/730-1022 x14 or email skotl@sspr.org for details or to obtain the special tuition flat rate.

Fall 2011 Course Preview

INSIDE GLACIER NATIONAL PARK (GR 6-12)

CT-1146-11F
1.5 semester credit hours
Dates: September 15-18
Location: Glacier National Park
Course Coordinator: Mile Sipes
Tuition Fee: \$80 (**payable during trip**)
Registration Fee: \$400 (includes meals and lodging)

Experience the beauty and grandeur of Glacier National Park, the "Crown of the Continent", for its unequalled biodiversity and breathtaking geology. This National Association of Biology Teachers regional workshop is designed for biology and life science teachers who wish to experience the ecology of this premier national park.

To register or for more information, contact:
Mike Sipes, 303/237-4975
mpsipes@earthlink.net

FIELD STUDIES IN PALEONTOLOGY: DINOSAUR RIDGE PALEOECOLOGY (K-12)

CT-1145-11F
0.5 semester credit hour
Date: October 1
Time: 8:00am-5:45pm
Location: Trip begins and ends in Cripple Creek
Instructors: Steven Veatch, Gregory Kats
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$53 (includes transportation, lunch, and resource CD)

Paleoecology relies on the use of fossils to study relationships among organisms and environments of the past. Paleontologists interpret clues to reconstruct not only what extinct animals and plants looked like but also when and where they lived and under what environmental conditions. Focus will be on the late Jurassic and Cretaceous ecology of Dinosaur Ridge and the dinosaur tracks preserved there.

To register or for more information, contact:
Cripple Creek Parks and Recreation
719/689-3514

EcoAdventure Course Offerings

Note: Register for EcoAdventure courses through EcoAdventures. See box on next page.

NATIVE AMERICAN GAMES AND TOYS (K-8)

CT-0104-11D

1 semester credit hour

Dates & Times:

June 4 (9:00am-5:00pm)

June 5 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$150 (**\$170 after May 25th**)

Explore the games and toys of various Native American people in this hands-on history class. Discover that many of the toys and games also had other benefits, such as modeling of adult roles and physical conditioning. Make several toys and games to take back to your classroom. Great for indoor recess activities!

EARLY EXPLORERS OF THE ROCKY MOUNTAINS (K-12)

CT-0518-11D

1 semester credit hour

Dates & Times:

June 6 (9:00am-5:00pm)

June 7 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Instructor: Trey Corkern

Tuition Fee: \$135 (**\$155 after May 25th**)

Discover the history of soldiers, trappers, priests, and spies in the Rocky Mountains. Use botany, zoology, cartography, journaling, geometry, and celestial navigation to keep up with the likes of Zebulon Pike, Father Escalante, and Kit Carson. Go home with field specimens.

WILDFLOWERS OF THE ROCKIES (K-12)

CT-9613-11D

1 semester credit hour

Dates & Times:

Session I:

June 8 (9:00am-5:00pm)

June 9 (9:00am-4:00pm)

Session II:

June 25 (9:00am-5:00pm)

June 26 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$140 (**\$160 after May 25th /June 7th**)

Spend time in the wildflowers as you explore a variety of elevations and identify and discover interesting botanical facts, uses, myths and legends about wildflowers. Experience "botany in a bowl," a creative activity to help kids understand the basics of botany.

BEAVER ECOLOGY (K-12)

CT-95102-11D

1 semester credit hour

Dates & Times:

June 21 (1:00-9:00pm)

June 22 (2:00-9:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$130 (**\$150 after June 7th**)

Explore beaver ecology and learn about their natural history and role in cultural history. Discover activity ideas including the use of mini-experiments to highlight behavior and adaptations, and uncover management issues through a simulation project. Wander in a beaver habitat, and enjoy wildlife observations at an active beaver pond.

WILD EDIBLE PLANTS OF THE ROCKY MOUNTAINS (K-12)

CT-0817-11D

1 semester credit hour

Dates & Times:

June 23 (9:00am-5:00pm)

June 24 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$140 (**\$160 after June 7th**)

Pre-requisite: It is strongly recommended that you take **CT-9613 Wildflowers of the Rockies** prior to this class.

If you are curious about the weeds that could be food, come discover wild edible plants. Learn about identification, safety guidelines, gathering, and storage. Create a sampler of wild edible dishes that you make and taste.

MONTANE & SUBALPINE WILDFLOWERS (K-12)

CT-9961-11M

1 semester credit hour

Dates & Times:

July 20 (9:00am-5:00pm)

July 21 (9:00am-4:00pm)

Location: Subalpine sites

Tuition Fee: \$125 (**\$145 after July 5th**)

Pre-requisite: **CT-9613, Wildflowers of the Rockies**

Hike in different montane and subalpine areas discovering the beautiful, but perhaps lesser known, wildflowers. Explore lush meadows and streamside habitats. Continue your identification skills on wildflowers in the montane and subalpine life zones. Discover interesting botanical facts, uses, myths, and legends.

SWEET WITH A STING: THE NATURAL HISTORY OF HONEYBEES (K-12)

CT-0519-11M

1 semester credit hour

Dates & Times:

July 23 (9:00am-5:00pm)

July 24 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$135 (**\$155 after July 5th**)

Peer into a glass hive and learn about the natural history of honeybees and their relatives. Examine the life cycle and jobs of a hive bee. Watch field bees in action as they pollinate flowers and do the “waggle dance.” Take a field trip to a bee yard to learn about a beekeeper’s daily activities.

MOOSE IN COLORADO (K-12)

CT-0922-11M

1 semester credit hour

Dates & Times:

July 26 (1:00-9:00pm)

July 27 (7:00am-3:00pm)

Location: near Granby, Rand, Gould

Tuition Fee: \$135 (**\$155 after July 12th**)

Go to moose country for a wildlife watching opportunity with fun moose information and viewing equipment. Discover why an animal often described as a “conglomeration of parts” is so well suited to the wetland environments it inhabits. Moose also weave a unique wildlife management story. Camp or stay at a local hotel.

THE UTE - A NATIVE AMERICAN WAY OF LIFE IN THE ROCKIES (K-12)

CT-95106-11M

1 semester credit hour

Dates & Times:

July 28 (9:00am-5:00pm)

July 29 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$140 (**\$160 after July 5th**)

Discover the history of the people of the shining mountains - Ute. Get a campsite up and running; learn the basics of ancient skills used in everyday life; try your hand at fire building, cooking, sewing, beading, twining, tanning and flint knapping.

TAMING THE FRONTIER: COLORADO'S PIONEERS AND HOMESTEADERS (K-12)

CT-1125-11M

1 semester credit hour

Dates & Times:

July 30 (9:00am-5:00pm)

July 31 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Instructor: Trey Corkern

Tuition Fee: \$135 (**\$155 after July 19th**)

How did men, women, and children cross an ocean of prairie to build homes and communities? Plant heirloom seeds, can preserves, and make cheese. Learn how to plant by the moon, pack a wagon, and harness draft animals. Visit a working homestead.

EXPLORING THE PONDEROSA PINE FOREST (K-12)

CT-0105-11M

1 semester credit hour

Dates & Times:

August 27 (9:00am-5:00pm)

August 28 (9:00am-4:00pm)

Location: EcoAdventures, Morrison

Tuition Fee: \$130 (**\$150 after August 15th**)

Discover the ponderosa pine ecosystem as you spend two days immersed in the rich flora and diverse wildlife of the ponderosa pine forest. The porcupine and Albert’s squirrel are two residents you will learn about. Explore the natural and cultural history of this massive pine’s role in logging and homesteading in Colorado.

To register for any EcoAdventures course, mail the CSM enrollment form along with a check payable to EcoAdventures to:

Pam Batton

EcoAdventures

5894 South Meadow Drive

Morrison, CO 80465

303/697-0327, Fax 303/697-0329

Pamsecoadventures.com

Registration/Cancellation/Refund Policy

If payments have not been received by the registration deadline (2 ½ weeks before the class), EcoAdventures reserves the right to charge a late registration fee of \$10.00 or delete you from the class and allow a person from the waiting list to take your spot.

If you notify us of a cancellation before the registration deadline, we will refund your tuition less a \$25.00 cancellation fee. If you cancel after the registration deadline, we will refund your tuition less a cancellation fee of \$35.00. If you cancel 48 hours before a class begins, we will refund half of your tuition. If you cancel 24 hours before a class begins or on the day of class or are a no-show to class, no refund will be offered. These fees also apply to class transfers.

Denver Zoo Course Offerings

Note: Register for Denver Zoo courses through the Zoo. See box below.

VANISHING KINGDOM: THE POLAR BEAR AND THE MELTING NORTH (PREK-12)

CT-1115-11D
0.5 semester credit hour
Date: June 20
Time: 8:30am-4:30pm
Instructor: Liz Franko
Tuition Fee: \$90

Learn about the polar bear's amazing adaptations to life in the harsh Arctic environment. Explore the polar bear's dependence on arctic ice and how climate change is impacting their fragile kingdom. Meet the Zoo's polar bears, as Zoo staff and species experts offer an inside look at this giant carnivore of the frozen north.

GIANTS OF THE JUNGLE: ASIAN TROPICAL ECOSYSTEMS (PREK-12)

CT-1135-11D
1 semester credit hour
Dates: June 23-24
Time: 8:30am-4:30pm
Instructor: Liz Franko
Tuition Fee: \$140

Explore the incredible biodiversity of the tropics of Asia and the diversity of its animals, ecosystems, and people. Explore these concepts as well as how Asian tropical ecosystems are largely threatened due to human activities. Focus on elephants as an umbrella species in this bio-region, and on the close relationship between elephants and humans. Enjoy a sneak preview of the Zoo's Asian Tropics exhibit, opening in Spring 2012.

COLORADO ECOSYSTEMS (PREK-12)

CT-1136-11D
1 semester credit hour
Dates: June 27-28
Time: 8:30am-4:30pm
Locations: Denver Zoo and Denver Botanic Gardens
Instructor: Liz Franko
Tuition Fee: \$140

Take a fresh look at Colorado's unique landscape. Discover the diverse plants and animals that call Colorado home. Learn how humans, plants, and animals interact to create our diverse Colorado ecosystem. Explore how you can bring this in-depth understanding of Colorado flora and fauna into your classroom curricula.

POOP TO POWER: TEACHING SUSTAINABLE PRACTICES (GR. 4-12)

CT-1074-11M
1 semester credit hour
Dates: July 7-8
Time: 8:30am-4:30pm
Instructor: Liz Franko
Tuition Fee: \$140

Explore the science of sustainable energy in this unique, lab-based workshop. Design, construct, and test mini-gasification reactors; and see firsthand how trash becomes energetic treasure in our newest exhibit, *Asian Tropics*. Explore innovative applications of science, technology,

and engineering in our unique setting; and learn how the Zoo is leading the way in the new energy frontier and securing a better world for animals.

INQUIRY IN ACTION: ANIMAL RESEARCH AT DENVER ZOO (PREK-12)

CT-1075-11M
0.5 semester credit hour
Date: July 21
Time: 8:30am-4:30pm
Instructor: Liz Franko
Tuition Fee: \$90

Let the Denver Zoo foster inquiry in your classroom by showing you how to use the Zoo to spark authentic science investigations. Engage in firsthand animal research and data collection while gaining the skills you need to boost student achievement. Support 21st Century skills as you help your students design questions, focus observations, document data through scientific journaling, and craft evidence-based explanations – all while connecting kids to the wonder of the natural world.

CONNECT, INSPIRE, AND EMPOWER: CONSERVATION PROGRAMS AT DENVER ZOO (PREK-12)

CT-1137-11M
1 semester credit hour
Dates: July 25-26
Time: 8:30am-4:30pm
Instructor: Liz Franko
Tuition Fee: \$140

Learn about the amazing conservation biology projects the Denver Zoo supports. Meet scientists working around the world and in Colorado to promote conservation and sustainability. Learn about the work of conservation biologists and observe animals in the Zoo's collection directly impacted by this research. Gain knowledge about how your classroom can connect to conservation efforts and to other classrooms across the globe.

PLAY AT THE ZOO: ECE AND THE NATURE CLASSROOM (PREK-3)

CT-1138-11M
0.5 semester credit hour
Date: August 1
Time: 8:30am-4:30pm
Instructor: Liz Franko
Tuition Fee: \$90

Come play with us as we touch, explore, pretend, and create! Connecting young children with animals and the environment helps grow a generation of nature lovers and caretakers. Work with Denver Zoo educators to discover methods of stimulating natural curiosity in early learners through the connection with animals and nature.

**Register online for any Denver Zoo course at:
www.denverzoo.org/education/teacherWorkshops.asp**

For questions, contact the Denver Zoo Education Department at 303/376-4808.

Denver Museum of Nature & Science Course Offerings

Note: Register for Museum courses through the Museum. See box below.

SIMPLY SCIENCE (PREK-1)

CT-1025-11D
1.5 semester credit hour
Dates: June 7-9
Time: 8:00am-4:30pm
Instructor: Kate Geer
Tuition Fee: \$95

Build your science content knowledge while learning how to incorporate more science into your classroom. Enjoy a variety of in-depth experiences that explore scientific inquiry and health, life, and space sciences. Hear lectures by Museum curators and other scientists; do hands-on, interdisciplinary activities that incorporate art, storytelling, and manipulatives; and explore activities from the Museum's Early Childhood Education Online Educators Guide.

SIMPLY SCIENCE II (PREK-1)

CT-1118-11M
1 semester credit hour
Dates: August 9-10
Time: 8:00am-4:30pm
Instructor: Kate Geer
Tuition Fee: \$60

Pre-requisite: A Simply Science workshop from 2005-2011

In this follow-up workshop, continue to build your science content knowledge while learning how to incorporate more science into your classroom. Receive ample time to collaborate, brainstorm, and discuss ways to apply concepts from Simply Science in your classroom.

<p>To register for any DMNS course, contact: DMNS Reservations, 303/370-6000 For more information, contact Kate Geer, 303/370-6441.</p>
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Denver Earth Science Project Course Offerings

DO YOU KNOW YOUR 3 R's? RADIATION, RADIOACTIVITY & RADON (GR. 7- 10)

CT-9898-11D
1 semester credit hour
Session I:
Dates: June 7-9
Time: 8:00am-5:00pm
Location: Durango H.S.

Session II:
Dates: June 14-16
Time: 8:00am-5:00pm
Location: CSM Campus, Golden
Instructors: Peg Roding, Bob Beckman
Tuition Fee: \$60

This module is an integrated science curriculum that addresses the **physical sciences**--what is radiation and radioactivity; the **earth sciences**--what earth materials are radioactive; and the **biological sciences**--what effect does radon gas have upon human health. Complete all activities, gain background knowledge, and receive complete curriculum and kit for Units 2 and 3. Resource kits for Unit 1 available for check-out.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

DINOSAUR RIDGE ACTIVITIES (K-8)

CT-1116-11M
1.5 semester credit hours
Dates & Times:
August 1-3 (8:30am-4:30pm)
August 4 (8:30am-12:30pm)
Location: Dinosaur Ridge Visitor Center, Morrison
Instructor: Marsha Barber
Tuition Fee: \$160 (will be refunded upon successful completion of the course)

Learn the geology and paleontology at Dinosaur Ridge and its vicinity by completing hands-on activities and then observing in the field. Receive a notebook of activities that can be duplicated for use with middle school students. This course has been funded by a generous grant from the Mikkelson Education Fund to cover the tuition fee for all participants in the course.

To register, mail the enrollment form and full tuition amount to the CSM Teacher Enhancement Office.

Butterfly Pavilion Course Offerings

Note: Register for Butterfly Pavilion courses through the Butterfly Pavilion. See box on next page.

INSECTS IN ART AND CULTURE (K-12)

CT-0321-11D
1 semester credit hour
Dates: June 22-23
Time: 8:00am-5:00pm
Instructors: Nicole Bickford, Deborah Brooks
Tuition Fee: \$50 (**payable during workshop**)
Registration Fee: \$90

Discover the symbolic meaning of insects in cultures of past and present as you explore human beliefs and environmental conditions through art and literature. Delve into myths and art activities as you explore the lives, history, and significance of honeybees, silk moths, dragonflies, and many more invertebrates.

SECRETS OF THE RAINFOREST: FROM MORPHOS TO MALACHITES (K-12)

CT-1108-11M
0.5 semester credit hour
Date: July 19
Time: 8:00am-5:00pm
Instructors: Nicole Bickford, Debbie Brooks
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$45

Experience the Pavilion's tropical rainforest like never before. Discover the role butterflies and other invertebrates play in the diverse and disappearing rainforest ecosystem. Explore unique relationships between the forest and the animals that live there through a variety of hands-on, interdisciplinary activities that will serve as a great addition to any classroom life science unit.

FRIEND OR FOE: EXPLORE PLANT-ANIMAL INTERACTIONS (K-5)

CT-0820-11M
0.5 semester credit hour
Date: July 20
Time: 8:00am-5:00pm
Instructors: Amy Yarger, Amanda Morrison
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$45

Survey a variety of plant-animal relationships including pollination, seed dispersal, plant defense mechanisms, and carnivorous plants. Observe plant-animal interactions in the garden, and then learn how to create a schoolyard habitat for beneficial insects. Learn through projects, outdoor observations, and stories and games that can be used back in the classroom.

INSECT INVESTIGATIONS: SCIENCE NOTEBOOKS AND BUGS IN THE CLASSROOM (K-12)

CT-0920-11M
0.5 semester credit hour
Date: July 22
Time: 8:00am-5:00pm
Instructors: Marcos Stoltzfus, Patrick Tennyson
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$45

Explore the amazing world of insects and their relatives as you investigate how inquiry-based learning can enhance discovery in your classroom. Exciting hands-on, take-home activities will show you how to successfully incorporate literacy and science notebooks into your classroom insect investigations.

WHO SWALLOWED A FLY? (K-6)

CT-0532-11M
0.5 semester credit hour
Date: July 26
Time: 8:00am-5:00pm
Instructors: Nicole Bickford, Deborah Brooks
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$45

Use a variety of children's literature that focuses on bugs and other invertebrates. Read and play with the language and unique art that make these books memorable. Explore Eric Carle's famous bug stories; find language and art in nature with the Butterfly Alphabet; and bring home lesson plans and ideas that integrate visual and language arts.

DREAM WEAVER (PREK-8)

CT-1084-11M
0.5 semester credit hour
Date: July 28
Time: 8:00am-5:00pm
Instructors: Nicole Bickford, Debbie Brooks
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$45

Discover the crafty side of Anansi the Spider and the ingenuity of Grandmother Spider. Learn something new about these eight-legged creatures by exploring the creepy and awesome world of arachnids. Enjoy a fun mix of inquiry and creativity while learning through science, art, and literary-based lessons.

ART AND SCIENCE SERIES (GR. 5-12)

CT-0921
0.5 semester credit hour
Location: Butterfly Pavilion, Westminster
Instructors: Kris Pohl, Deborah Brooks
Course Coordinator: Amanda Morrison, 720/974-1869
Tuition Fee: \$35 (**payable during workshop when two workshops completed**)

SCIENTIFIC ILLUSTRATION AND PLANTS

Date: June 20
Time: 8:00am-12:00pm
Registration Fee: \$45

Scientific illustrators revolutionized the scientific discovery and classification of plant and insect species with observational methods still in practice today. Learn to identify, observe, and draw simple versions of a variety of plants.

PRINTMAKING AND AQUATIC INVERTEBRATES

Date: June 20
Time: 1:00-5:00pm
Registrations Fee: \$45

What is an aquatic invertebrate? Discover the numerous species that live in our world's oceans and other bodies of water. Make prints from latex models of several aquatic invertebrates.

DREAMCATCHERS AND ARACHNIDS

Date: November 6
Time: 8:00am-12:00pm
Registration Fee: \$45

Explore the importance of arachnids in nature as well as in Native American culture. Discover the myth behind the dreamcatcher in Native American tales as you weave your own dreamcatcher.

BATIK & INSECTS

Date: November 6
Time: 1:00pm-5:00pm
Registration Fee: \$45

Discover the roles of insects used in an ancient form of fabric decoration: batik. Find out how bees make wax, how silk moths are used to create silk, and how scale insects can be turned into a spectacular scarlet dye. Create a one-of-a-kind batik scarf with these insect products.

To register or for more information, contact:
Adult Education Dept., 720/974-1869,
education@butterflies.org, or
<http://www.butterflies.org/education/teacher-educator-workshops.php>

Denver Botanic Gardens Course Offerings

Note: Register for Botanic Gardens courses through the Gardens. See box below.

INCORPORATING PLANTS INTO THE CLASSROOM (K-6)

CT-0645-11D
0.5 semester credit hour
Date: June 30
Time: 8:30am-5:00pm
Location: Denver Botanic Gardens
Instructor: Lisa Davis, 303/370-8190
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$50 DBG member; \$55 non-member

Plants can be an easy and fun addition to your classroom and curriculum. Learn how you can successfully grow plants in your classroom and how to incorporate them into all areas of your curriculum. Gain tips and techniques for growing plants as well as how to troubleshoot problems. Review a variety of reading, writing, math, and social studies activities that use plants to teach required concepts.

TEACHING PLANTS FROM ROOT TO SEED (K-8)

CT-0646-11M
0.5 semester credit hour
Date: July 1
Time: 8:30am-5:00pm
Location: Denver Botanic Gardens
Instructor: Lisa Davis, 303/370-8190
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$50 DBG member; \$55 non-member

Learn fun and unique ways to teach plant structure and function. Explore what each part of the plant does through hands-on activities that you can transfer easily to your classroom. Cover concepts such as photosynthesis, transpiration, and pollination.

BUILDING A SCHOOLYARD GARDEN (K-6)

CT-0812-11M
0.5 semester credit hour
Date: July 27
Time: 8:30am-5:00pm
Location: Denver Botanic Gardens
Instructor: Lisa Davis, 303/370-8190
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$50 DBG members; \$55 non-members

Learn how to create a simple vegetable garden in your schoolyard (in the ground or in containers) and ways to incorporate the garden into your classroom curriculum. Learn tips on gardening and discover plants that you can plant in spring or fall and harvest before semester's.

To register for any DBG course, contact:
DBG Registrations at 720/865-3580 or
<http://catalog.botanicgardens.org>

Cheyenne Mountain Zoo Course Offerings

Note: Register for Cheyenne Mtn. Zoo courses through the CM Zoo. See box below.

BIRDS OF A FEATHER (K-12)

CT-1128-11D

0.5 semester credit hour

Dates & Times:

June 7 (9:00am-1:00pm)

June 8 (8:00am-12:00pm)

Locations: Cheyenne Mtn. Zoo & Cheyenne Mtn. State Park, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members

Learn about Colorado's native birds, how to identify them, and what you can do to teach your students about the biodiversity of these flying wonders. On the second day, practice what you learned and observe these birds first hand off of the Zoo grounds.

ANIMAL ANTICS (K-12)

CT-1129-11M

0.5 semester credit hour

Dates & Times:

6:00pm, July 12 through 11:00am, July 13

Location: Cheyenne Mtn. Zoo, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members (dinner and breakfast included)

Have you ever wanted to spend the night at the Zoo? This is your chance to see the animals at night and learn about animal behaviors and interactions.

ANIMAL SENSES (GR. 9-12)

CT-1130-11M

0.5 semester credit hour

Date: August 2

Time: 9:00am-5:00pm

Location: Cheyenne Mtn. Zoo, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members (lunch provided)

Focus on how to make the Colorado Science Standards fun and have an entertaining experience at the same time. Explore how animals use their senses and how these senses serve different functions in growth, survival, and reproduction.

PENGUINS ON PARADE (GR. 2-7)

CT-1131-11F

0.5 semester credit hour

Date: September 17

Time: 9:00am-5:00pm

Location: Cheyenne Mtn. Zoo, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members (lunch provided)

Did you know that the African Black-footed Penguin was recently placed on the Endangered Species list? Find

out why and learn what the Zoo is doing to help. Receive an educational packet that you can use in your classroom to engage your students and explore how to join in the Zoo's conservation efforts.

PACHYDERMS IN PERIL (K-12)

CT-1132-11F

0.5 semester credit hour

Date: October 8

Time: 9:00am-5:00pm

Location: Cheyenne Mtn. Zoo, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members (lunch provided)

This workshop will feature pachyderms such as the African Elephant, hippopotamus, tapir, and rhinoceros. Dive into behavioral, physical, and environmental problems that face these magnificent creatures, and learn how they interact with each other and their environment.

HAPPY "THANKS GIBBON" (K-12)

CT-1133-11F

0.5 semester credit hour

Date: November 12

Time: 9:00am-5:00pm

Location: Cheyenne Mtn. Zoo, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members (lunch provided)

Spend the day with some very playful and charismatic primates, and learn practical ways you and your students can become involved locally to help save the Lar and White-cheeked Gibbons. Through smart consumer choices we can protect these unique primates and their habitat.

BIG CATS IN CRISIS (K-12)

CT-1134-11F

0.5 semester credit hour

Date: December 3

Time: 9:00am-5:00pm

Location: Cheyenne Mtn. Zoo, Colorado Springs

Instructor: Joy Schkade

Tuition Fee: \$35 (**payable during workshop**)

Registration Fee: \$55.25 members; \$60.25 non-members (lunch provided)

Discover two of the world's most endangered felines and how saving these unique cats is vital to the vast biodiversity we call Earth. Visit the tigers and leopards behind the scenes and get hands-on activities to take back to your classroom.

To register or for more information, contact:

**Erin Hobson, 719/633-9925 (x127) or
edprograms@cmzoo.org**

To register online:

www.cmzoo.org/exploreLearn/adults/classes.asp

Project WILD - Project Learning Tree – Project WET

Projects WILD, Learning Tree and WET are supplemental, interdisciplinary environmental education programs emphasizing wildlife, forest and water resources, and our interdependence with the natural world. Using hands-on activities that create awareness, appreciation, understanding, skills and commitment, you and your students learn to address environmental issues within the framework of your existing curriculum. You will receive activity guides, posters, prizes, and other supplemental materials.

All Project WILD, Learning Tree and WET PreK-12 activities have been correlated to the Colorado Model Content Standards for Science, Math, Geography, History, Reading and Writing. Spanish translations of activities are available for Project Learning Tree and Project WILD. New PLT materials are available for integrated middle and high school curricula.

Following is a list of upcoming workshops. **Pre-register by calling the person listed and sending in the non-refundable registration fee at least 7 days prior to the first day of the workshop (unless otherwise noted). Tuition will be due on the first day of the workshop. Please register through the person listed, not through the Colorado School of Mines.** Workshops may be cancelled one week before the start date if minimum enrollment numbers have not been met.

WILD ABOUT BLACK-FOOTED FERRETS (GR. 6-12)

CT-1144-11D
0.5 semester credit hour
Date: June 4
Time: 8:30am-5:00pm
Location: Fort Collins
Tuition Fee: \$35 (**payable during workshop**)
Registration Fee: \$25

Be one of the first to experience the brand new WILD About Black-footed Ferrets curriculum guide. Learn about the decline and amazing recovery of this fascinating critter.

To register or for more information, contact:
Kimberly Tamkun
tamkunmm@peakpeak.com

COLORADO BASIN TOUR (GR. 4-12)

CT-1143-11D
1.5 semester credit hour
Dates: June 13-15
Location: Trip begins and ends in Frisco
Course Coordinator: Shawna Crocker, 303/202-4662
Tuition Fee: \$80 (**payable during workshop**)
Registration Fee: \$200 (includes meals, lodging, and transportation)

Tour the Colorado River Basin with state water experts, and learn how to teach the value of headwaters health for thriving economies, community well-being, and ecological sustainability. Receive relevant, ready to use, inquiry activities, including 21st Century skills from Project Learning Tree and WET.

To register or for more information, contact:
Kristin Maharg
303/377-4433 or kmaharg@cfwe.org

FIRE ECOLOGY INSTITUTE FOR EDUCATORS (GR. 4-12)

CT-0720-11D
2.5 semester credit hours
Dates: 8am, June 13 through 3pm, June 17
Location: Ft. Lewis College, Durango
Tuition Fee: \$120 (**payable during institute**)
Registration Fee: \$50 (includes meals, lodging & materials; other fees paid by a National Fire Plan Grant)

Explore and receive fire activities, kits, trunks, experiments, videos, cds, posters, and more. Participate in field and research-based activities while learning about fire, insects, and drought from fire and natural resource professionals. Visit and study fire sites and mitigation efforts, and conduct inquiry experiments.

To register or for more information, contact:
Shawna Crocker, 303/202-4662

GROWING UP WILD! - EARLY CHILDHOOD PROJECT WILD (PREK-K)

CT-0974
0.5 semester credit hour (per workshop)
Workshop I:
Date: June 14
Time: 8:00am-5:00pm
Location: Butterfly Pavilion, Westminster
Registration Fee: \$40
Registration Contact: Nicole Bickford, 720/974-1863

Workshop II:
Date: July 13
Time: 8:30am-5:00pm
Location: Boulder
Registration Fee: \$20
Registration Contact: Mary McCormac, 303/291-7328

Workshop III:
Date: July 14
Time: 8:30am-5:00pm
Location: CDOW, Denver
Registration Fee: \$20
Registration Contact: Tabbi Kinion, 303/291-7165

Workshop IV:
Date: July 28
Time: 8:30am-5:00pm
Location: Denver
Registration Fee: \$20
Registration Contact: Mary McCormac, 303/291-7328

Workshop V:
Date: August 10
Time: 8:30am-5:00pm
Location: Ft. Collins/Loveland
Registration Fee: \$20
Registration Contact: Mary McCormac, 303/291-7328
Tuition Fee: \$35 (**payable during each workshop**)

Explore the new early childhood curriculum from Project WILD that builds on children's sense of wonder about nature and invites them to explore wildlife and the world around them.

GLOBAL CONNECTIONS: FORESTS OF THE WORLD (GR. 8-12)

CT-0975

0.5 semester credit hour

Workshop I:

Date: June 15

Time: 8:00am-5:00pm

Location: Butterfly Pavilion, Westminster

Registration Fee \$30

Registration Contact: Nicole Bickford, 720/974-1863

Workshop II:

Date: August 27

Time: 9:30am-5:30pm

Location: Downtown Aquarium, Denver

Registration Fee: \$35

Registration Contact: Downtown Aquarium, 303561-4444

Tuition Fee: \$35 (**payable during each workshop**)

PROJECT WET (K-12)

CT-9629-11D

0.5 semester credit hour

Date: June 16

Time: 8:00am-5:00pm

Location: Butterfly Pavilion, Westminster

Tuition Fee \$35 (**payable during workshop**)

Registration Fee: \$40

Registration Contact: Kris Pohl, 720/974-1868

PROJECT WET: FORESTS TO FAUCETS (AURORA'S WATER RESOURCES) (K-12)

CT-0668-11D

1.5 semester credit hours

Dates: June 28-30

Time: 9:00am-5:00pm

Location: Aurora Municipal Center

Tuition Fee: \$80 (**payable during workshop**)

Registration Fee: \$50 (checks returned upon course completion)

Learn where your drinking water comes from. Explore our mountain watersheds, conduct water quality studies, tour a xeriscape garden, and visit a drinking water treatment plant. Receive Project Learning Tree and WET curriculum guides and access to Aurora Water's innovative educational opportunities.

To register or for more information, contact:

Natalie Brower-Kirton, 720/427-6029

nbrower@auroragov.org

PLT AND WET (K-12)

CT-0976-11M

1 semester credit hour

Workshop I: July 16-17

Workshop II: July 26-27

Time: 9:00am-5:00pm

Location: Woodbine Ecology Center, Sedalia

Tuition Fee: \$50 (**payable during workshop**)

Registration Fee: \$75 (includes materials, lodging, and meals)

Learn how to use interdisciplinary, inquiry, and content-rich activities to teach "how to think, not what to think" about complex environmental issues that incorporate technology and literacy. Get wet in the Plum Creek watershed, and help with a forest restoration project.

To register or for more information, contact:

Pavlos Stavropoulos, Woodbine

303/380-7984, pavlos@woodbinecenter.org

For updated information contact:

Project WILD, 303/291-7262

Project Learning Tree, 303/202-4662

Project WET, 303/355-4057

Check the following website for full course descriptions or added workshops:

www.wildlife.state.co.us/education/teacherresources

Summer 2011 Canoe Trips

Note: Register for canoe trips through Centennial Canoe Outfitters. See box below.

GEOLOGY OF THE WHITE RIVER BY CANOE (K-12)

CT-1110-11D

2 semester credit hours

Dates & Times:

Lecture: June 15 (9:00am-4:30pm)

Canoe Trip: June 17-19

Locations: The lecture will be held at CSM, Golden. The trip will begin near Rangely, CO.

Instructor: Bob Dickerson

Tuition Fee: \$424 (**\$100 deposit required upon enrollment**)

Canoe a 33-mile stretch of the White River in northeastern Utah. This spectacular canyon includes a series of sandstone canyons eroded into the Uinta and Green River Formations. See modern sedimentary processes in action as well as the rocks and fluvial deposits that were formed by those very same processes millions of years ago. Discuss basic earth processes, identification of rock formations and structures, and more. This is big country and a geologist's paradise. No previous geology or canoeing experience is necessary.

INTEGRATING ECOLOGY AND ART INTO THE CLASSROOM: GUNNISON RIVER (K-12)

CT-1111-11M

1.5 semester credit hours

Dates: July 15-17

Location: The trip will begin near Grand Junction, CO

Instructor: Karen Caddis

Tuition Fee: \$399 (**\$100 deposit required upon enrollment**)

Canoe the historic waters of the Gunnison River near Grand Junction. Investigate the natural environment of the river, its riparian ecosystem, and the surrounding desert and learn how human, plant, and animal life have adapted to this unique environment. Study how people and the passage of time have changed the region. Be inspired by our natural surroundings to create art and poetry; learn how to gather and prepare plants for food and utilitarian uses; and consider how the night sky has influenced various cultures. No previous canoeing experience is necessary.

ASTRONOMY IN THE WILDERNESS/GUNNISON RIVER, LEVELS I & II (K-12)

CT-0263-11M

2 semester credit hours

Dates & Times:

Lecture: July 27 (1:00-8:30pm)

Canoe Trip: July 29-31

Locations: The lecture will be held at Fiske Planetarium, Boulder. The trip will begin and end near Grand Junction, CO.

Instructor: Sanlyn Buxner

Tuition Fee: \$424 (**\$100 deposit required upon enrollment**)

Get away from the city lights and view spectacular sights of the heavens along this remote stretch of the Gunnison River as you canoe through spectacular canyons of the Colorado Plateau. Learn about basic properties of stars & stellar evolution, constellations, properties of light, basic optics, deep sky objects, solar system dynamics, size and scale of space objects, and new topics in astronomy. Find fun ways to teach astronomy in your classroom. No previous astronomy or canoeing experience is necessary.

To register , mail the CSM enrollment form along with the \$100 deposit (made payable to Centennial Canoe Outfitters) to:

Centennial Canoe Outfitters

P.O. Box 3365

Centennial, CO 80161-3365

720/283-0553 or toll-free 1/877/353-1850

E-mail: info@centennialcanoe.com

Register online: www.centennialcanoe.com

Centennial Canoe Outfitters will supply all canoes, group equipment, meals, and canoeing instruction prior to the trip. You are responsible for your transportation to the river and back. No previous canoeing experience is required.

Level II Courses

Former participants in Level I classes can qualify for Level II credit by completing a special project to be conducted concurrently with the basic class offering.

Course Enrollment Form

Please Print

Full Name: _____
 Mailing Address: _____
 City: _____ State: _____ Zip: _____
 Social Security Number*: _____ Date of Birth: _____
 Telephone: (school) _____ (home) _____
 School: _____ Grade Level: _____
 Email: _____

When CSM is the registration contact, I prefer to receive a confirmation letter by:

E-mail: _____

Fax; fax number: () _____

oMail

***required if taking course for credit**

Are you Hispanic/Latino? Yes/No

Select one or more:

_____ American Indian or Alaska Native

_____ Native Hawaiian or Other Pacific Islander

_____ Asian

_____ White

_____ Black or African American

Indicate the course(s) for which you are registering

Course #	Course Title	Course Dates	Tuition
CT-_____	_____	_____	_____
CT-_____	_____	_____	_____
CT-_____	_____	_____	_____
CT-_____	_____	_____	_____
CT-_____	_____	_____	_____

Total: _____

Please follow carefully the specific registration instructions which accompany each course listing in this catalog. When the Teacher Enhancement Program is the registration contact fill out the enrollment form and mail along with the tuition amount to the Colorado School of Mines Teacher Enhancement Program. Please send a separate check for each course, and for each participant. Do NOT mail this form to us unless we are listed as the registration contact!

Make checks payable to CSM Office of Continuing Education.

Mail check(s) and application form (unless otherwise noted in course listing) to:

CSM Teacher Enhancement Program
 1600 Jackson St., Ste. 160A
 Golden, CO 80401
 Phone: (303) 279-3855
<http://te.csmspace.com>