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Above
Students in our SciTrek Summer Camp take a break while they visit the GetWET field site.

On the Cover
Alfie Castillo assembles the Regenerate! science kit designed by the EOC in collaboration with the Vehicle Electrification Education Program at CSU Ventures funded by the Department of Energy.
Mission
The College of Natural Sciences Education & Outreach Center is an incubator for innovation in STEM education. We serve both CSU and K-12 students and faculty through a wide variety of programs. A common thread that weaves through all of our programs is increasing the quality, quantity, and diversity of students in STEM disciplines. Particular emphasis is on finding new ways to promote scientific creativity and innovation, attributes essential for global competitiveness in the 21st century. Many of our programs focus on providing authentic scientific research experiences for both learners and teachers.

The EOC staff is supported by the College of Natural Sciences and constitutes 0.5% of the college’s annual resident instruction budget. Additional funds are derived from participation in grants led primarily by CSU faculty at large (see page 14) and self-funded programs such as Annenberg graduate courses for K-12 teachers.
Message from the Director

The third floor of the Natural and Environmental Sciences Building is now a lively hub of STEM education activity. With the recent juxtaposition of the CNS Education & Outreach Center, the CSU STEM Center, and the Little Shop of Physics we are quickly becoming a cohesive group. We have shared interns, co-sponsored seminars, jointly worked on the Noyce Scholarship program, helped LSOP present Weather and Science at Coors Field, and have had social team-building gatherings. Existing partnerships with the Clean Energy Supercluster, the Colorado Science and Engineering Fair, El Centro, Continuing Education, and faculty from across campus continue to thrive.

This past year we have piloted a new practicum experience for CSU pre-service teachers. We are calling it STEM Friday Expeditions and we invite a different teacher to bring their class to the EOC each Friday, all expenses paid. The field trips are facilitated by a cadre of CSU undergraduate students who are studying to become science or mathematics teachers. The content is derived from the Broader Impacts of CSU faculty research projects. We see this as a win for CSU & K-12 faculty and CSU & K-12 students.

We have an exciting new collaboration with the National Park Service on Water Science Education. We will be hosting a week-long professional development institute in June for ten teachers and a park ranger from Hawai‘i.

We have been busy developing new hands-on science kits that we are distributing to Colorado schools. These kits are designed to teach important big ideas in an engaging way. The scientific materials are high quality and require only a minor amount of annual maintenance. Our latest kit is on the black carbon found in soils in the High Park Fire burn area. Students will have the opportunity to analyze real soil samples to determine the intensity of the fire in different locations.
Last year we added a new STEM library to our main studio. This year, we added an exciting new **Maker Space** that features a suite of design tools, including a FabLab Model Maker 3-D model design station with a digital paper cutter, a MakerBot Thing-o-Matic 3-D plastic printer, an assortment of computer controlled Lego sets, and construction sets. In the near future we plan to add a computer controlled embroidering machine.
Programs: CSU Faculty

Services for Faculty
The CNS EOC provides consulting services to CSU faculty. Here are some of the things we can help you with:

- Writing the Broader Impacts section of federal grant proposals;
- Designing effective K-12 outreach programs;
- Suggesting ways of leveraging existing programs;
- Assisting with science and math teacher professional development programs;
- Assisting with CSU credit paperwork;
- Design of inquiry and standards-based classroom kits;
- Recruitment of K-12 math and science teachers for programs;
- Access to local, state, and national STEM education networks; and/or
- Use of our cutting-edge STEM Education facility.

Sigma Xi Chapter Office
In collaboration with Dr. Shing Ho, the EOC is actively working to revitalize the CSU Sigma Xi Chapter. In order to bring together the more than 170 active Sigma Xi members on campus, we have begun Sigma Xi keynotes each semester focused on current issues in STEM fields. We also hosted a wonderful dinner to celebrate the initiation of new members at the Fort Collins Brewery. Our guest speaker was former Colorado governor, Bill Ritter, Jr. who spoke about the intersection of politics and science.

EOC/Sigma Xi Keynote Presentations
Fall 2012:
Dr. Andrea Schweitzer
"Reaching for the Stars: Community Based Space Science"
October 24, 3:30-5:00 pm, B302 NESB

Spring 2013:
Stephen Thompson and Gary Raham
"Scientific Illustration 101"
March 27, 4:00 - 5:30 pm, B302, NESB

Grants-in-Aid of Research
We also provide assistance to students applying for the Sigma Xi Grants-in-Aid of Research Program.
RamCT Course Support
The EOC is home to the CNS RamCT coordinator, Ms. Barry Carroll, who is available to assist faculty in their use of CSU’s online learning management system. This system has many useful tools to facilitate cooperative learning, non-linear inquiry-based learning, self-assessment, and use of web resources.

Mentoring Opportunities
There are numerous opportunities for faculty to mentor in the area of STEM education. Here are a few ideas:

• Mentor a student doing a science fair research project;
• Be a judge at a regional science fair or the Colorado Science and Engineering Fair;
• Mentor Science Olympiad students and teams;
• Present a session at Math-Science-Tech Day; and/or
• Be a content expert at a teacher professional development workshop.

**For a complete list of current and pending grants in collaboration with CSU Faculty, please see page 14.**
Programs: CSU Students

Bachelors of Science in the Natural Sciences Advising
If you are interested in teaching science at the middle and/or high school levels, this major is right for you. The BSNS degree program combines the CSU Core Curriculum with strong scientific content, strong educational pedagogy, and real classroom experience to meet the increasing demand for licensed science teachers nationwide.

Once you discover that you love teaching, you can be assured that your BSNS degree will provide a firm foundation for continued graduate work in science education leading to a Masters in Education and/or Ph.D. degree. Concentrations in the Natural Sciences major include Biology education; Chemistry education; Geology education; and Physics education.

The BSNS degree also has a concentration in Physical Sciences, where a student completes the CSU Core Curriculum along with the requirements for two minors chosen from Biochemistry, Chemistry, Computer Sciences, Geology, Mathematics or Physics. Students choosing this major can meet requirements for professional schools (e.g., medicine or law) or graduate programs in the basic or applied sciences.

There are currently over 100 undergraduate BSNS majors in the 5 concentrations. We have opened our learning studio to BSNS majors for use as a Study Hall.

Noyce Scholar Cohort Support
The National Science Foundation's Robert Noyce scholarship is for STEM undergraduate majors interested in pursuing a teaching career in a high-needs school. This scholarship is administered by the CSU School of Teacher Education and Principal Preparation (STEPP) and the CSU STEM Center. The CNS EOC supports the teacher cohorts through mentoring programs and access to professional development. Scholarship recipients will receive a conditional $10,000 award per year for up to two years, as well as continuous professional support once placed in a high-needs school.
In-service Outreach Opportunities
There are numerous opportunities for CSU Students to volunteer in the area of STEM education. Here are a few:

- Tutor elementary school children from local school districts in our Triunfo/Triumph Tutoring Program;
- Participate in Math-Science-Tech Day;
- Help with field trips and summer camps; and/or
- Join our staff as a work-study assistant.

Student Clubs and Organizations
The EOC would like to assist student clubs and organizations that focus on the natural sciences with establishing an ongoing web presence and providing a place to meet, study, or hang out.

- Graduate Student Outreach Group
- SoGHR, Society of Global Health Researchers
- SACNAS, The Society for Advancement of Chicanos and Native Americans in Science
Programs: K-12 Faculty

Annenberg Learner Distance Courses
The CNS EOC is the only center in the United States that offers graduate-level semester credit for teacher professional development courses developed by Annenberg Learner. These rigorous courses are cutting-edge and are produced by widely respected faculty from leading universities.

Water Science Education
The EOC has a strong emphasis in the area of water education. Our latest effort is working with the National Park Service on implementing a new Water Cycle Activity at schools surrounding national parks. The activity is an adaptation of the work we did for the Pathways to Environmental Science Literacy project, recently published in the Green Teacher journal.

The GetWET Observatory is the only outdoor hands-on groundwater education facility in the Rocky Mountain Region and is located on CSU property along Spring Creek. The EOC hosts approximately 20 field trips per year for the Poudre School District, Front Range Community College, and Weld County Schools. Students study water quality and quantity issues and how they relate to use, conservation, and flooding. Pre and post field trip laboratory activities include the use of an innovative physical groundwater model. GetWET is a partnership between the department of Geosciences and the EOC.

Lastly, we sponsor the student group, Society of Global Health Researchers (SoGHR) to present World Water Day presentations in local elementary and middle schools.

Energy Science Education
Like water, energy is a basic necessity. Our focus is on helping students to discover basic principles that govern sources of renewable energy. We currently offer several energy-related science kits. The Get Energized! kit covers rechargeable batteries and solar cells. The Regenerate! kit explores how regenerative braking works in hybrid electric vehicles. Our KidWind set of model turbines allows students to explore the blade size, shape, configuration, and load.
An important objective with these efforts is to inspire students in Colorado to consider beginning their clean energy career at CSU.

**Phunky Phenology**
The mission of the Phunky Phenology program is to introduce people of all ages to the science of climate change through the study of phenology. Phenological observations are highly intuitive to analyze and interpret, giving students real experience with climate data. Budburst in the spring and Green Down (fall colors) in the fall provide the ideal launching pad for creative student explorations in the field of climate change.

Students begin the project by planting a native Three Leaf Sumac shrub in their yard. They use a GPS unit to determine their shrub’s location and begin observing and measuring various parameters on a daily basis. They graph their own data and see how their data relates to other Three Leaf Sumacs in north to south, east to west, and high to low elevation transects in northern Colorado. We are working with Dr. Ashok Prasad to develop a computer model that allows students to use real data in simulations. Phenological observations are ideally suited to the academic school year and correlate extremely well with state and national STEM education standards. The best part is that it is phun!

**Field Trips, Classroom Visits, and Loaner Kits**
Many local and regional science teachers bring their students to visit with CNS EOC staff and faculty to do different hands-on and engaging experiments during the school year. Our kits have even been featured on the Poudre School District’s television channel.
Programs: K-12 Students

Colorado Science & Engineering Fair
Colorado has an extensive network of local and regional science fairs that feed into a state-level science fair that is hosted by CSU and directed by Courtney Butler. The Colorado Science and Engineering Fair also affiliates with the Intel International Science and Engineering Fair and Courtney takes approximately 25 projects to this competition each year.

Science fair research projects are the ideal science, math and engineering educational activity. Students work individually or within small groups to develop a research question, formulate hypothesis or create an engineering goal, design an experiment, collect and interpret data, and then communicate their conclusions both verbally and in writing. Science fair competitions also allow students to use multiple visual and physical representations.

Students who participate in a science fair competition interact with teachers, mentors, family members, judges and the public. Awards, scholarships and internships are available to students and are great incentives to continue studying in the STEM fields.

CNS EOC is interested in increasing diversity and participation in Science Fair. To this end, the EOC is actively encouraging schools to integrate research projects into the curriculum rather than just supporting self-motivated students after school.

Triunfo/Triumph Tutoring Program
The Triunfo/Triumph Tutoring Program is a partnership with CSU’s El Centro office that aims to inspire students and close the achievement gap by offering weekly one-on-one tutoring in all academic areas to local elementary school students.

Triunfo/Triumph is open to all students without restrictions, but only provides free transportation to the highest needs students from the

Students practice being interviewed at the EOC by CSEF alumni who are now STEM majors at CSU and also receive feedback on how they can improve their display.

Triunfo students have one on one help with Lego WeDo sets that integrate sensors and motors with a very powerful, yet kid friendly computer programing interface.

Sara Volz (top right) and Easton LaChappelle, both CSEF alumni were invited to the third annual White House Science Fair

Sara Volz won first place at the 2013 Intel Talent Search
highest needs schools. The program takes place every Thursday from 4-5:30 p.m. from September through May in the experiential learning studio at CNS EOC where students have access to STEM reading books, computers, 3-D printers, Lego robotics, construction sets, scientific lab materials, and educational expertise. Special presentations and lab tours take place throughout the year. This program is funded primarily by the Bohemian Foundation’s Pharos Fund.

**Math-Science-Tech Day**
Math-Science-Tech Day brings local underserved 4th grade students from Poudre School District to CSU for a fun-filled day to show them that college is something worth pursuing. The day includes exciting STEM content in four to five sessions, admissions information, CSU student mentoring, and cultural programming.

**Summer Camps**
The EOC summer camps are one week long and attract junior and senior high school students from across the nation. They are highly popular and fill up within days after registration opens in early January. The majority of students enroll in both the morning SciTrek camp and the afternoon Summer Vet Camp and stay on campus in one of the residence halls to give them the full college life experience.

While these programs are self-funded from student registration fees, CNS EOC in collaboration with the College of Veterinary Medicine & Biomedical Sciences offers fee waiver scholarships to deserving students using funds earned the previous summer. This year, scholarships totaling $2,100 went to three students from Colorado, Illinois, and Ohio.

**SciTrek**
Students participating in this program learn how scientists do real research. We spend a significant amount of time in the field at Lory State Park developing a systems approach to scientific reasoning, using scientific models to help reveal natural processes and phenomena, assessing the health of a pine forest being invaded by pine beetles, testing the surrounding soil, and mapping the distribution of affected trees.

**Summer Vet**
The Summer Vet program is for students who are serious about becoming a veterinarian and is a great opportunity to look into the real and sometimes gritty field of veterinary medicine. Through presentations, demonstrations, laboratory visits, and in-depth, hands-on activities, students discover what modern veterinary medicine is about.
## Budget Summary

### FY11/12

<table>
<thead>
<tr>
<th>General EOC Funding</th>
<th>DA/RSP Funding</th>
<th>DCE Funding</th>
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<tbody>
<tr>
<td>CNS Dean’s Office $141,300</td>
<td>Indirect Cost Recovery $974</td>
<td>Annenberg $17,180 Summer Vet/SciTrek $25,160 Other $5,567</td>
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### FY12/13

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<th>General EOC Funding</th>
<th>DA/RSP Funding</th>
<th>DCE Funding</th>
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<tr>
<td>CNS Dean’s Office $146,028</td>
<td>Indirect Cost Recovery $1,800</td>
<td>Annenberg $17,265 Summer Vet/SciTrek $24,464 Other $4,020</td>
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## Recent Collaborations with CSU Faculty and External Organizations

### Current

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<tr>
<th>Collaborator</th>
<th>Project Description</th>
<th>Funding</th>
<th>EOC Share</th>
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<tbody>
<tr>
<td>National Park Service</td>
<td>Water Science Education &amp; Outreach</td>
<td>NPS Task Agreement</td>
<td>$97,133</td>
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<tr>
<td>Ashok Prasad</td>
<td>Understanding the mesenchymal stem cell response to the topography and geometry of their environment</td>
<td>NSF CAREER</td>
<td>$5,000</td>
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<td>Francesca Cotrufo</td>
<td>Soil Charcoal</td>
<td>NSF-GEO ($300-400k)</td>
<td>$19,000</td>
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<tr>
<td>None</td>
<td>Energy and Earth Systems Summer Session</td>
<td>Bohemian Foundation Discretionary Grant ($20,000)</td>
<td>$20,000</td>
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<tr>
<td>Sampath and Sites</td>
<td>Solar PV</td>
<td>NSF</td>
<td>$2-5K/year</td>
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<td>Don Mykles</td>
<td>Crayfish molting</td>
<td>NSF</td>
<td>$8,000</td>
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<tr>
<td>SUNY-Oneonta</td>
<td>Climate Change Education</td>
<td>NASA</td>
<td>$25k/year for 3 years</td>
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<tr>
<td>STEM Center, SOE, CE, and CNS</td>
<td>Noyce Scholarships</td>
<td>NSF ($1,200,000)</td>
<td>$10,000/year for 5 years</td>
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<td>El Centro</td>
<td>Triunfo/Triumph Tutoring Program</td>
<td>Bohemian Foundation ($15,000)</td>
<td>$15,000</td>
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<td>LSOP &amp; UV Program</td>
<td>Hands-on STEM Workshops</td>
<td>Xcel Foundation ($15,000)</td>
<td>$5,000</td>
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<tr>
<td>CSU Ventures</td>
<td>Hybrid Electric Vehicle Science Kit</td>
<td>Department of Energy ($750,000)</td>
<td>$14,000</td>
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<tr>
<td>Natural Resources Ecology Lab</td>
<td>Front Range Climate Change Education</td>
<td>NASA-GCCE ($180,000)</td>
<td>$5,800/year for 3 years</td>
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<td>Natural Resources Ecology Lab</td>
<td>Pathways to Environmental Literacy</td>
<td>NSF-Math-Science Partnership ($12,400,000)</td>
<td>$15,000/year for 5 years</td>
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<tr>
<td>Continuing Education</td>
<td>Annenberg Media Teacher Center</td>
<td>Course Credit Tuition &amp; Fees (~$50k/year)</td>
<td>~$28,000/year</td>
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### Pending

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<th>Collaborator</th>
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<tr>
<td>CSU STEM Center</td>
<td>EOC Webcasting Studio</td>
<td>Shell Foundation ($100,000)</td>
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<td>LSOP &amp; UV Program</td>
<td>Hands-on STEM Workshops</td>
<td>Xcel Foundation ($21,000)</td>
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<td>Volckens &amp; Henry</td>
<td>Air pollution monitoring</td>
<td>NIH</td>
<td>$11,000</td>
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<td>Kurt Barth</td>
<td>Solar PV Fellowship</td>
<td>NSF</td>
<td>?</td>
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<tr>
<td>Greg Florant</td>
<td>Marmot hibernation</td>
<td>NSF</td>
<td>$5,000</td>
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<tr>
<td>Laurie Stargell</td>
<td>Biochemistry is Elementary</td>
<td>NSF (resubmit)</td>
<td>$7,000</td>
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<tr>
<td>Rachel Mueller</td>
<td>Speciation</td>
<td>NSF (resubmit)</td>
<td>$7,000</td>
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<tr>
<td>Paul Kennedy</td>
<td>MSP - UTeach</td>
<td>NSF</td>
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EOC Donors
(Cumulative since 2010)

$20,000
Bohemian Foundation Discretionary Grant

$9,000
Dean Tsao – CSEF

$5,000
Anonymous CSU Faculty

$1,000
Mortar Board Society – Books for Triunfo
Linda Hamilton – SciTrek

$50
Jean Carpenter

Other EOC Support
Nature Active Publishing – Science booklets
Chuck Andre – Videography and SciTrek Assistance
Dave Dahms – Electronics Assistance
Ralph Towers – Makerbot assistance and STEM library book donations
Meena Balgopal – STEM library book donations
Mary Richmond and Paul Meyers – Loan of GPS units
Cynthia Smeraski – Insect books for STEM Library
Peter Brown – Dendrochronology Teaching
Ann Randall – 4-H Materials
Accomplishments and Contributions

June 2013

• SciTrek Summer Camp, Jun 24-28
• SummerVet Summer Camp, Jun 24-28
• Every Drop Counts: Water Science for Teachers, Jun 10-14

May 2013

• International Science & Engineering Fair, Phoenix, May 12-17
• STEM Friday Expedition: Harris Elementary School, May 10
• EOC Staff Appreciation Lunch, May 7
• VEEP Workshop, May 4
• Energy Science & Policy Field Trip from Grand Junction, May 2-3

April 2013

• GetWET Field Trip, Rocky Mountain High School, Apr 29-30
• VEEP Workshop, Apr 27
• STEM Friday Expedition: Cache La Poudre Middle School, Apr 26
• SWITCH Screening, Apr 24
• Assist LSOP at Denver Rockies Game, Apr 24
• GetWET field trip with Olander Elementary School, Apr 24 (Cancelled due to snow)
• STEM Friday Expedition: Roosevelt High School, Apr 19
• National Council of Teachers of Mathematics Annual Conference, Denver, Apr 17-20
• VEEP workshop, Apr 14
• GetEnergized workshop, EOC, Apr 12
• 3-D Journey through Time shows, LSC, Apr 12
• Colorado Science & Engineering Fair, Apr 11-13
• GetWET presentation in Science Methods class, Apr 8
• Girls Exploring STEM with VEEP, Denver, Apr 5
• CSEN, Apr 4
• Presentation in Science Methods Course, Apr 3

March 2013

• World Water Day School Visits to Olander and Bennet Elementary Schools with SOGHR, Mar 27 and 29
• EOC Spring Event, Scientific Illustration 101, Mar 27
• Distinguished guest visit, Fred Cachola, Mar 14
• George Wright Society Conference, Denver, Mar 11-12
• VEEP Workshop, Mar 9
• San Luis Valley Regional Science Fair, Alamosa, Mar 7-8

February 2013

• Denver Metro Regional Science Fair, Feb 27
• MSP Fire/soil workshop, Feb 23
• Longs Peak Regional Fair, Feb 19
• CSEN meeting at EOC, Feb 13
• CSU STEM Center Advisory Meeting, Feb 7
• Noyce Scholar Meeting, Feb 4
• CSEF Mock Interviews, Feb 4
• Science Bowl, Feb 2

January 2013

• Triunfo resumes, Jan 31
• CSEN meeting at UCAR, Boulder, Jan 28

December 2012

• Third Floor NESB Holiday Potluck, Dec 14
• Meeting with DMNS & Smithsonian Laser Program, Dec 14
• EOC Staff Meeting, Dec 13
• FRCC Forestry, Wildlife and Natural Resources Advisory Committee Meeting, Dec 10
• CSU STEM Center Advisory Board Meeting, Dec 7
• St. Joseph's school science fair, Dec 5
• Blevins Middle School Science Fair, Dec 5

November 2012

• EOC Staff Meeting, Nov 29
• Soaring Eagle Ecology Center Meeting, CIRA, Nov 28
• Colorado Science Convention, Denver, Nov 16
• EOC Staff Meeting, Nov 15
• Fort Collins Museum of Discovery Ribbon Cutting, Nov 10
• Host group of visitors from the Smithsonian Institution and the Denver Museum of Nature and Science, Nov 6
• Extension Forum meetings, Lory Student Center, Nov 6 & 8
• CSEF Board Meeting & Advisory Council, Nov 3
• EOC Staff Meeting, Nov 1

October 2012

• Noyce meeting, Oct 30
• Get Energized and Regenerate sessions at Global Climate Change Conference, LSC, Oct 29
• Fall EOC/Sigma Xi Keynote, Dr. Andrea Schweitzer, B302 NESB, Oct. 24
• Presentation in Science Methods Course, Oct 24
• BSNS Advisee Meeting, Oct 23
• CSEN Meeting at Butterfly Pavilion, Oct 22
• EOC Staff Meeting, Oct 18
• Sigma Xi Dinner with Bill Ritter, Fort Collins Brewery, Oct 17
• Funzeleo: Hands-on science in Africa meeting, Oct 17
• RMHS comes to GetWET, Oct 15 and 16
• 4-H Youth Day Meeting, Oct 10
• EOC Staff Meeting, Oct 4
• Math-Science-Tech Day, CSU, Oct 3
• MOU signing ceremony with Kagawa University, Oct 1

September 2012

• FRCC Hydrology class field trip to GetWET, Sep 28
• CSEN meeting at DMNS, Sep 27
• UC Denver STEM Summit, Sep 25
• Triunfo/Triumph Program begins, EOC, Sep 20
• EOC Staff Meeting, Sep 20
• Noyce Scholars meeting, A302, Sep 17
• CSEF Board Meeting and Advisory Council, Denver, Sep 15
• Phunky Phenology Workshop at the Gardens on Spring Creek, Sep 14
• Triunfo/Triumph Tutor Orientation, Sep 13
• EOC Staff Meeting, Sep 6
• Field trip with Science Education students from Japan, Poudre Canyon, Sep 4

August 2012

• STEM Center Advisory Committee Meeting, Aug 31
• Phunky Phenology Workshop at Fort Collins Utilities, Aug 23
• RamWelcome, CSU, Aug 17

July 2012

• Phunky Phenology Workshop at the Gardens on Spring Creek, Jul 31
• Energy, the Environment and Transportation Workshop (VEEP), Jul 17, 18, 23, and 24
• Phunky Phenology Workshop at the Gardens on Spring Creek, Jul 16
• CSEF Board Retreat, Alamosa, Jul 14-17
• Phunky Phenology Workshop at the Gardens on Spring Creek, Jul 10
Future Plans

In the next two years, we plan to:

- Continue our current programs and services;
- Increase the number of CSU faculty involved in STEM education and outreach;
- Develop and distribute more inquiry-based STEM instructional kits;
- Firmly establish our new STEM Friday Expedition program;
- Continue to hone our student mentoring programs; and
- Host more K-12 field trips to CSU.
Andrew Warnock  
*Director*

Dr. Warnock’s interests are in developing new, low-cost ways to inspire teachers and their students to love the natural sciences. He also serves as Chief-of-Staff of the Clean Energy Supercluster and is a Research Scientist III.

,andrew.warnock@colostate.edu  
(970) 491-2845 | NESB B301a/B305

Lynne Judish  
*Laboratory Coordinator*

Ms. Judish manages all of the educational materials and resources that the center houses. She also coordinates the afterschool Triunfo/Triumph Tutoring Program.

,lynne.judish@colostate.edu  
(970) 491-1539 | NESB B319

Bi-Monthly Staff Meetings  
Minutes available on request

Courtney Butler  
*Assistant Director*

Ms. Butler is interested in encouraging more students to enter into local, regional, state, and international science fairs. She advises prospective science teachers who are enrolled in the BSNS program. She also serves at the Director for the Colorado Science and Engineering Fair.

,courtney.butler@colostate.edu  
(970) 491-7716 | NESB B311

Barry Carroll  
*Program Coordinator*

Ms. Carroll coordinates distance learning courses produced by Annenberg Learner. She also serves as the RamCT coordinator for the College of Natural Sciences.

,barry.carroll@colostate.edu  
(970) 491-1124 | NESB B321

Bi-Monthly Staff Meetings  
Minutes available on request

Rachel Chrisman  
*EOC Assistant*

Briana Wilkins  
*CSEF Assistant*

Alfred Castillo  
*Triunfo Assistant*

Jessie Mader  
*EOC Assistant*
Directions to EOC

- From South College Avenue, take Pitkin Street West.
- Immediately after the RR tracks, take Mason Street North (right).
- Take the second left onto 'A' Street, which dead ends at East Drive and at the NESB Building.
- Park at a meter before 4 pm.
- Parking is free after 4:00 p.m. weekdays and free all day on weekends.
- Enter the building through the main doors of the south wing.
- Go up to the 3rd floor and make a left.

- De la Avenida College, tome Pitkin str. al rumbo oeste.
- Emmediatamente despues de cruzar los riales de tren, tome la calle Mason al rumbo norte o doble derecha a la calle “A”
- La calle “A” se termina en la calle “East Drive”
- Allí en frente esta situado el edificio donde tendremos el programa Triunfo.