

**Central Coast STEM Collaborative
General Meeting
PG&E Energy Education Center
August 15, 2012, 5 – 7:30 pm**

Attendees:

Phil Barnett	philbarnett@earthlink.net
Michael V. Barriere	mikebarrierenergy.com
Anne Marie Bergen	ambergen@calpoly.edu
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Patti Garrett	pgarrett@slocoe.org
Judy Guarnera	
Dawn Hinchman	dawn.hinchman@gmail.com
Sue Johnson	sjohnson@educationucsb.edu
John Keller	jmkeller@calpoly.edu
Tanja Kehler	tanjaLatimer@me.com
Steve Kliewer	director@endeavourinstitute.org
Chris Ladwig	Ladwig@christopher@slcusd.org
Marsha Lifter	MJLifter@calpoly.edu
Linda Metaxas	lmctaxas@hancockcollege.edu
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George Pudlo	George@dskarch.com
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Paula Vigneault	pvigneault@gmail.com
Wendy Wendt	
Dennis E. Young	photodennis44@gmail.com

I. Walt Reil welcomed everyone to the general meeting held at the PG&E Energy Education Center. He also reviewed safety procedures.

II. Steve Kliewer shared opening remarks.

A. He introduced himself as the Coordinator of the northern part of the CCSTEM Collaborative.

B. He reviewed the concept of Collective Impact (5 conditions – common agenda, shared measurement, mutually reinforcing activities, continuous communication, backbone organization).

C. He also reviewed a handout that noted that CCSTEM is now one of nine independent regional collaboratives of the California STEM Learning Network (CSLNet). It listed ways to get involved in CCSTEM; and our Vision, Mission, and Strategies; it listed contact information for our eight current working groups; and listed important upcoming

dates for meetings and events.

III. Walt Reil and Paula Vigneault facilitated a “pop up” activity for attendees to introduce themselves to the group and identify what they offer and what they want. Then, attendees had ten minutes to network with each other. Pop-up Announcements:

Steve Kliewer, Coordinator – CCSTEM North
Wants – more help with communications working group

George Pudlo, DSK Architects
Offers – Design facilities that support STEM teaching principles
Wants – Feedback from participants on what is needed; trying to find out what the STEM Education community wants

Anne Marie Bergen, Cal Poly Teacher In Residence
Wants – to empower teachers to implement science in classroom
Offers – STEM-in-the-Classroom working group to promote and expand teacher professional development

Jeff Foote, Guadalupe Science Teacher/Cal Poly
Offers – experience working with SB and SLO professional development and connections for others

Phil Barnett, Educator/JPL Engineer/MBA and PhD Management Programs
Wants to know how he can help

Dawn Hinchman
Offers – Kohl's "Associates in Action" is a fundraising opportunity that requires 5 store associates to participate for at least 3 hours at your non-profit's function. After submitting the paperwork, the non-profit receives \$500. There is no limit to how many times a group can use this opportunity.

Wendy Wendt, CCSTEM Funded Grant Writer
Offers – Help with grant writing for funding available for 2 or more CCSTEM members to come together on collaborative shared project
Wants – Tab on website to populate grant sources and deadlines and RFPs; sharing across STEM community for adding to this website

Brad Schultz, SLOCOE/Chair for State Science Committee in Sacramento
Offers - Strategic Science and Teaching – Hands on science activities in classroom tied to literature
Offers - Advocacy Committee with Walt and Ray Weymann to advocate for STEM Education

Patti Garrett, SLOCOE
Offers – All things curriculum and instruction; emphasis on Next Generation Science Standards

Julie Reil, Community/Parent
Offers – organization and accounting skills and experience
Wants – input from others, connections to others in education community in regards to CCSTEM's website resources section

Tanja Latimer, Home Schooling Parent
Wants – to connect home school network to STEM Opportunities
Foundation for Resources in Experiential Education (FREE) – wants to bring more democracy and freedom to education along with decentralized school model

Paul Murphy, Dean at Allen Hancock College
Offers - Resources at Hancock to connect schools to private sector

Wants - Successful STEM initiatives and communities to have sense of local job opportunities; inventory of job opportunities in Central Coast; how to work backwards to employ graduating students in the community

Marsha Lifter, Cal Poly

Offers – October 6th, New Tech High Conference hosted by Computer Using Educators – professional development for educators on computer using - \$10/students; \$20/teachers (includes lunch and a snack)

Pam Rickard, Middle School Teacher in Lompoc (resides in Shell Beach)

Offers – is designing an elective class on engineering, design process, and computer science

Wants - networking and collaboration and mentors for class; to give input and direction for connecting to community

John Keller, Cal Poly Director CESaME (Center for Excellence in Science and Math Education)

Offers – Cal Poly undergraduates to help teach in the community

Wants – Early field experiences and opportunities for Cal Poly undergrads

Michael Barriere, Alternative Energy and Efficiency Consultant, BarrierEnergy

Innovative culture of learning productively leading to a sustainable future

STEM applies equally to building science as opportunity for learning and careers

UCSB - \$50M grant on energy efficiency

Green Jobs in the Future – subcommittee to push for green education

Jerry Valdez, Fresno – Central Valley Science Project (SAM Academy)

Appreciates that CCSTEM is a more authentic collaboration than others

Policy and research resource

IV. Building Bridges in STEM: Central Coast STEM 2012 Annual Forum – Friday, October 12, 2012, UC Santa Barbara

A. Susan Johnson, Director of the UCSB Cal Teach Program, introduced herself. Her e-mail is sjohnson@education.ucsb.edu.

B. She reviewed the agenda for the forum by sharing the names of the speakers for the morning, including Jeff Henley, CEO of Oracle, who will be the keynote speaker. After lunch, the plan is for attendees to speak with the various individuals and groups who will have information stations (Susan shared information about these groups). Peggy Lubchenco, lecturer at the UCSB Gervirtz Graduate School of Education, will offer the closing remarks. Registration/flyer will be posted shortly; this event is free.

V. CCSTEM Organizational Structure Workgroup Recommendations – presented by John Keller

A. John shared the evolution of the CCSTEM structure. Then he shared the proposed structure:

CCSTEM is made up of CCSTEM North and CCSTEM South; each part has their own coordinator. The conversation tonight was about creating a CCSTEM North Governing Board (10-15 members) that would include an Executive Committee composed of Chair, Finance, and Secretary.

CCSTEM North Membership:

- All ages
- Commitment and interest in STEM

- Member registration form and nomination form at <http://ccstem.com>
- Organizations can sign up as an organization (with one specific contact person) and their members and other parties can sign up as individuals.
- Membership benefits include connection to STEM networks on the central coast, receipt of the CCSTEM newsletter and updates, an opportunity to apply for CSLNet mini-grants and eligibility to vote.

The CCSTEM North Governing Board shall consist of 10-15 individuals representing ALL of the following stakeholder groups:

- P-12 Formal Education
- Higher Education (Community College/University)
- Informal Education
- Business
- Community

10 members will be elected initially and may round to 15 as appropriate—nominees will be identified with one stakeholder group. A nomination form is also available at <http://ccstem.com>.

Board Member Qualifications:

- Must be members of CCSTEM
- Must commit to attend Board Meetings
- Must agree to serve as liaisons for workgroups

The Board will meet monthly. Quorum and voting requirements were presented. To accommodate attendance requirements, two people can share one Board position (with one vote). A Board member can designate a substitute or vote by proxy. These will be staggered two-year terms. Board members will serve as liaisons with working groups.

The CCSTEM North Governing Board will select three members of the Executive Committee, which will advise the coordinator on urgent decisions that arise outside of regularly scheduled board meetings. The Governing Board at the next opportunity would ratify the committee's actions.

John shared information about the activities and procedures of the Board, as well as pertinent dates regarding meetings and membership, nomination and voting deadlines. He then shared some questions that still need to be discussed between CCSTEM North and CCSTEM South. In the future, consideration will be given to creating a VIP Governing Board, the possibility of seeking incorporation and 501©3 tax status, as well as developing CCSTEM's goals.

B. The group voted on the following:

Can our CCSTEM North Coordinator, Steve Kliewer, be a voting member except in Conflict of Interest situations? The group voted to have our Coordinator be a voting member.

Will we ratify this proposal for a CCSTEM North Governing Board? The group voted to ratify the proposal.

VI. Paul Murphy of Allan Hancock College, shared information about the U.S. News STEM Solutions Conference he attended in Dallas, Texas. 1,500 people, including Dean Kaman were in attendance. STEMx has a website that has resources from different states, including an assessment to determine capacity for establishing project-based learning (Arizona). Other resources: <http://www.afterschoolalliance.org>; Architecture, Construction, and Engineering (ACE) Mentor Program; and www.usnewsstemsolutions.com.

VII. Mini-Grants information was presented by Steve Kliewer:

A. Grants are for \$500 to \$2,000. Total currently available is \$7,500.

B. Online form is at <http://ccstem.com>. Applications are being accepted immediately.

C. Priority will be give to projects that:

- excite students and community**
- enhance STEM literacy**
- build collaboration between CCSTEM stakeholder organizations**

VIII. Steve Kliewer reviewed information about the working groups. Members are encouraged to join an existing working group or create a new one.

IX. Next General Meeting is October 24, 2012 at the Exploration Station in Grover Beach. Please invite someone interested in STEM to accompany you to the meeting.

Rita Delkeskamp, Julie Reil and John Keller