

STEM Steering Committee Meeting Notes
11/21/08

Attendees:

Scott Gordon, Tom Landerholm, Sharon Puricelli, Bill DeGraffenreid, Antoinette Herrera, Mary McCarthy-Hintz, Daniel Orey, Beth Strasser, David Earwicker, Jill Trainer, Charles Alpers, Nicole Munoz-Murillo, Jim Scott, Michael Ward.

Opened Meeting - Scott Gordon

1) STEM Initiative Subcommittee Activities

Subcommittee Updates:

Recruitment/Pathways - Tom Landerholm

- Three Programs/Activities under consideration
 1. American Association of University Women
Science/Math camps (girls going onto 8th grade)
Good follow-up event to EYH Conference
 2. Dinner with a Scientist (Ron Coleman, Biology Dept.)
One evening event organized with local middle schools
 3. 4-H On The Wild Side Program (Enid Gonzalez, Biology Dept.)
Science/Environmental Education over-night camp experience for grade school students

Infrastructure - Jill Trainer

- Committee hasn't met this month
- CSU/CUR Undergraduate Research Workshop held Nov. 7-9 at Sac State
10 teams from different CSU's attending

Marketing - Scott Gordon

- STEM scholar's lecture good turnout (approx. 200)
- Scott Gordon showed DVD of computer Science Section to middle school students at ECS event this month - positive response from the students
- Video to be structured so that the four completed segments can be viewed independently and linked to STEM website
 1. **Computer Science**
 2. **Nursing** - Antoinette Herrera reports that the department has begun showing their segment at events
 3. **Physics** - Bill DeGraffenreid requests video for Physics Website link
 4. **Teacher Ed** - linked on STEMed site

Math/Science Teacher Prep - no report

Retention - Antoinette Herrera

- Members of sub-committee met thru summer
- Researched best models of retention
- Intend to identify best practices from these models
- Lost member and will be recruiting possibly grad student from math department

Proposed Subcommittee changes - see handout

- Pedagogy /Curriculum charge to be moved from Campus Infrastructure subcommittee (formerly called Campus STEM Education & Infrastructure) to STEM Education subcommittee (formerly called Math/Science Teacher Recruitment & Preparation)

- Recruit interested STEM faculty/get larger group working on STEM Education subcommittee (Suggested members David Jelinek, Scott Farrand, Jeff Paradis, and Lynn Tashiro)
- Mary McCarthy-Hintz suggests a Chem Dept. member be added to Infrastructure Subcommittee
- Steering Committee approved changes

2) Center for STEM Excellence Activities

Announcements:

- Research Administration Office will be hiring new STEM position (SRO) to work with Subcommittees on identifying funding sources and submitting proposals
- STEM Fellows Program will have funding for summer stipends and fall units
- Comments or Revisions to "Call for Proposals" should be sent Tom Landerholm
- Information will be distributed after the 1st of the year

Web-based Communication:

- Demo of SacCT Retention subcommittee course - Antoinette Herrera
- Individual courses can be set-up for each subcommittee in SacCT for sharing information and to facilitate communication and meetings
- Propose setting a meeting on how to set-up/manage course
- Provide link on the STEM webpage for all 5 committee courses
- Access can be granted on different levels to all committee members
- Steering Committee agrees that each subcommittee should have a separate course

3) Steering Committee Activities

Meeting Schedule:

- Move to 3 Steering Committee meetings per semester (Dec.12th meeting canceled)
- More web-based communication & subcommittee activity

Committee Structure Options:

- See handout listing 4 options
- Steering Committee selects option 3a (Proportional College Representation by number of STEM departments)
- Executive Council to identify administrative offices to be represented
- Structure will be revised based on option 3a and committee suggestions of non-academic department representatives

Meeting adjourned