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Steering Committee Welcome



Reminder:

STEM Collaborative Action Plan Project Goal:

“Develop a collaboration and a strategic action plan to increase the number and support the development of science, technology, engineering and math (STEM) students, graduates, teachers, professors and mentors within the California Innovation Corridor and the State of California, leveraging the resources and efforts not only of education and academia (K-20, public and private), but of industry and the informal science network”





ARCHES



- The Alliance for Regional Collaboration to Heighten Educational Success (ARCHES) is meant to enhance the effectiveness of regional partnerships through a statewide network, creating a community of learners who can leverage the work of the individual collaborations. It is a “voluntary confederation of collaboratives whose sole purpose is to improve student success and close the achievement gap among groups of students.” ARCHES requires targeted stakeholder participants in each collaborative in its network and also requires a project and a plan, guidelines designed to foster focus and collaboration.





STEMCAP Status



Year One:

- Develop organizing committee/host introductory forum
- Recruit Steering Committee/hold orientation/planning mtg
- Design electronic STEM inventory tool
- Determine working groups/outline schedule for WG activity
- Host kick-off working group forum
- Determine elements of STEM Collaborative Action Plan
 - Inventory, Collaborative Action Plan, Dissemination Plan
 - Organizing Principle/Infrastructure
 - Inspire, Engage, Educate, Employ
 - Recruitment/Retention, Curriculum, Seamless Transitioning





STEMCAP Status (cont'd)



Year One (crossing into Year Two):

- Populate STEM inventory

Year Two:

- Host working group fora
- Monitor progress of working groups
- Report working group progress to Steering Committee
- Identify outreach opportunities for dissemination
- Compile working group/supplemental info into final draft

Year Three:

- Present final draft of Plan/Dissem Plan to Steering Comm
- Execute outreach activities





Working Group Goals – Steering Committee Inputs



December 9th Working Group Kick-Off

- Goal Statement
- Key Components of strategy
- Criteria, principles for best practices, models
- Measures/outcomes to evaluate success
- Other stakeholders to recruit



Recruitment/Retention



DRAFT Goal Statement - inclusions requested:

- *Increase number of STEM graduates and educators by using all available resources (public and private) to build awareness of students, teachers and parents of the breadth, scope and quality of life benefits of STEM-related careers, addressing bi-lingual and gender issues and the perceived “inaccessibility” of the lab scientist image by providing opportunities at every level to engage with 21st Century STEM workers and in challenging, relevant, hands-on STEM-related activities capitalizing on the excitement of experiential learning and the satisfaction of the inquiry and project-based methods of study*





Curriculum



DRAFT Goal Statement

Create, fund, train and integrate relevant and inspiring STEM curriculum, activities, materials and courses into both formal and informal education, beginning at pre-school.





Seamless Transitioning



DRAFT Goal Statement

Every student in the corridor/State will be motivated, academically prepared and realize potential in STEM academic areas and will have the opportunity to participate in the STEM professional workforce upon completion of elementary, middle, high school, certificate, AA, transfer, BS and graduate degree.





Upcoming Working Group Activity



- Identification of Working Group Co-Chairs
- Working Group Forum follow-up webinars
 - Retention/Recruitment
 - Wednesday, March 7, 2007 10 am – noon
 - Curriculum
 - Wednesday, March 7, 2007 1:30 pm – 3:30 pm
 - Transitions
 - Thursday, March 8, 2007 10 am – noon



Working Group Activity (cont'd)



Common agenda

- Review all three goal statements/refine working group goal
- Review working group notes from two perspectives
 - “Have we properly identified the ‘who’”?
 - “Have we got the conditions right?”
- Revisit criteria for best practices/model programs – encourage nominations (through Inventory) for **BEST PRACTICES/MODEL PROGRAMS**
- Measures/outcomes- short and long-term



Steering Committee Inputs



Inputs/feedback (for Recruitment, Curriculum, Transitions Working Groups) on:

- Goal Statement
- Key Components of strategy
- Criteria, principles for best practices, models
- Measures/outcomes to evaluate success
- Other stakeholders to recruit



STEMCAP May 19th Forum



LAX Westin

8:00 a.m. – 9:30 a.m. Steering Committee/Spkr breakfast

9:30 a.m. – 3:30 p.m. Forum/Working Group session

Confirmed Speakers:

- State Superintendent of Public Instruction – Jack O’Connell
- President CAL Poly SLO – Warren Baker
 - System Lead for Math and Science Teacher initiative

Invited:

- Rick Stephens – Sr. VP, The Boeing Company

Working Group Session – Same three break-outs





Steering Committee Next Steps



- Register for working group if not assigned
- Cancel hold on April 3
- Calendar May 19th
- Encourage POPULATION of the INVENTORY!