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AGENDA

STEM Partnership-Building Forum - June 28, 2006
Renaissance Montura LAX Hotel, 9620 Airport Boulevard, Los Angeles

8:00 a.m.

Welcome/Forum Overview

The Honorable Andrea Seastrand, Executive Director, California Space Authority (CSA)
Paula Arvedson, PhD, President, California Space Education & Workforce Institute (CSEWI)
Bruce Gardner, PhD, Co-Chair, CSEWI Education/Workforce Collaborative;
Principal Director, Learning Systems Center, The Aerospace Institute, The Aerospace Corporation

8:15 a.m.

Industry-Driven Workforce Development and STEM Education The WIRED Initiative

Tom Hooper, Industry Lead/WIRED California Team
Business Relations Group, US Department of Labor

8:35 a.m.

Development of a Technical Workforce: The Employer Perspective

Moderator: Michael Aldaco, Assistant Vice President, University of California, Office of the President
Laura Gilliom, PhD, Director, University Relations, Lawrence Livermore National Laboratory
Ray Haynes, PhD, Director, University Relations, Northrop Grumman Space Technology
Susan Johnson, College Relations, Southern California Edison
Edward Taylor, Google, Inc.

9:35 a.m.

California STEM Education and the American Competitiveness Agenda

Susan Hackwood, PhD, Executive Director, California Council on Science & Technology (CCST)

9:55 a.m.

CSU STEM Strategy: A Successful Federal Lab Partnership

Moderator: Beverly Young, PhD, Assistant Vice Chancellor
Teacher Education/Public School Programs, California State University
Jeff Gold, Associate Director, Academic Technology, California State University Chancellor's Office
Art Hammon, Jet Propulsion Laboratory
Ron Hughes, Professor/Faculty Coordinator, California State University/NASA Collaborative

10:50 a.m. – 11:05 a.m.

BREAK

11:05 a.m.

Community Colleges as STEM Assets

Steve Bruckman, Executive Vice Chancellor, California Community College



AGENDA (Cont'd)

STEM Partnership-Building Forum - June 28, 2006
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11:25 a.m.

Industry Associations and the Informal Science Network: Hardworking STEM Supporters

Moderator: Jordi Puig-Suari, PhD, Chairman, Aerospace Engineering, Cal Poly San Luis Obispo
Joe Adams, President, Discovery Science Center
Paula Arvedson, PhD, President, Satellite Educators Association (President, CSEWI Board)
Dean E. Davis, PhD, Chairman, AIAA K-12 Strategy; Principal Scientist/Engineer, Boeing Integrated Systems

12:20

Luncheon Program Critical Issues in STEM K12 Education and Teacher Preparation

Introducing Dr. Brunkhorst:
Kathy Norman, President, National Association of Science Teacher Education (ASTE)
Herbert K. Brunkhorst, PhD, Professor and Chair
Department of Science, Mathematics, and Technology Education, CSU San Bernardino;
Committee on Science, Mathematics and Teacher Preparation, National Academy of Sciences

K-12 STEM Education – the Teacher Perspective

Peter Arvedson, Cal TAC/Lead Teacher, Academy of Science, La Puente High School
Barbara Shannon, PhD, Cal TAC/Faculty, Westridge School

1:45 p.m.

Session I Break-Out

Option One: Effective Recruitment: Strategies and Outcomes
Option Two: Access and Equity Strategies

2:30 p.m.

BREAK

2:45 p.m.

Session II

Option One: Transition Points and Strategies
Option Two: A Successful STEM Partnership: Barriers, Opportunities & Outcomes

3:30 p.m.

What Are the Needs? Insights from the New 21st Century Technical Workforce

Emily Chi, Engineer/Chair, CONNECT, Northrop Grumman Space Technology
Matt Everingham, Special Projects Manager, California Space Authority

4:15 p.m.

Closing Remarks



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Saturday, December 9, 2006

Westin LAX Hotel, 5400 W. Century Boulevard, Los Angeles

STEM Collaborative Action Plan (STEMCAP) Forum/Working Group Session

WORKING AGENDA

10:00 a.m.

Welcome

STEMCAP and STEMCAP Inventory Overview

The Honorable Andrea Seastrand, Executive Director, California Space Authority
Deborah Hirsch, Executive Director, California Space Education and Workforce Institute
Matt Everingham, Special Projects Manager, California Space Authority

10:20 a.m.

Opening Remarks

Angela Diaz, Director, Strategic Communications & Development, NASA Ames Research Center
Damon Castillo, EdD, President/Chairman, Science and Technology Education Partnership

11:00 a.m.

Featured Speaker

Keith Thompson
STEM Lead, Department of Defense STEM Education Activities

11:20 a.m.

Introduction to STEMCAP Working Groups

11:30 a.m.

STEMCAP Working Group Sessions

Recruitment/Retention of STEM Students, Graduates, Teachers, Professors and Mentors
STEM Academic Curriculum, Industry/Workforce Relevancy
Seamless STEM Transitioning Strategies, Elementary School to Workforce Entry

12:30 p.m.

Buffet Working Lunch

1:00 p.m.

Working Group Session (continued)

2:45 p.m.

Closing Remarks/Next Steps



**STEM Collaborative Action Plan (STEMCAP) Forum
Saturday, May 19, 2007**

Forum Agenda

9:30 a.m.

**Participant Registration/Group Assignments
New Participant Briefing**

10:00 a.m.

Welcome and STEMCAP Overview

Deborah Hirsch

Executive Director, California Space Education and Workforce Institute

California Innovation Corridor Initiative

The Honorable Andrea Seastrand

Executive Director, California Space Authority

10:20 a.m.

Opening Remarks

Dr. Warren J. Baker

President, California Polytechnic State University
California State University Lead
Math and Science Teacher Initiative

10:40 a.m.

U.S. Global Competitiveness: Workforce Development through Community Collaboration

Rick Stephens

Senior Vice President, Internal Services, The Boeing Company

11:00 a.m.

STEM and the California Department of Education

The Honorable Jack O'Connell

California Superintendent of Public Instruction

11:20 a.m.

Moderated Dialogue

The Honorable Jack O'Connell

**Dr. Warren Baker
Rick Stephens**

Moderator: Diane Siri

Executive Director, Alliance of Regional Collaborations for Heightened Education Success (ARCHES)

11:55 a.m.

Buffet Luncheon

Breakout Session Facilitators

Dennis Galligani

Executive Director, ARCHES

Diane Siri

Executive Director, ARCHES

Jane Zinner

Victoria Conner

Principal, Strategic Vitality, LLC

12:30 p.m.

Breakout Working Session: Four Groups Rotating through Four Stations

Building the Framework for STEMCAP
Integrating Key Concepts from Working Groups
Best Practices/Model Programs and Relevant Studies

12:30 p.m. – 1:10 p.m.

First Station

1:10 p.m. – 1:40 p.m.

Second Station

1:40 p.m. – 2:05 p.m.

Third Station

2:05 p.m. – 2:30 p.m.

Fourth Station

2:30 p.m.

Synthesis/Synergy

Lessons Learned

2:45 p.m.

Next Steps

3:00 p.m.

Adjourn