



ALABAMA “STEM” EDUCATION SUMMIT:
Bridging Workforce Needs, Economic Development, and Effective Education

DATE: Tuesday, May 3, 2011 (National Teacher Day)
LOCATION: Renaissance Montgomery Hotel & Spa at the Convention Center,
201 Tallapoosa St., Montgomery, Alabama

Goals

It is intended for the Summit to attract participants from business/industry, education, government, and community organizations. Specific programmatic goals of the Summit are:

1. Identify the width and breadth of Alabama’s needs and challenges in improving Science, Technology, Engineering, and Mathematics (STEM) education for all students.
2. Identify Alabama’s needs for improving STEM education specifically to enhance workforce and economic competitiveness.
3. Identify strategies for engaging the entire stakeholder community in support of meeting those identified needs and challenges (like improving STEM education for all students.)
4. The sharing of best practices from around the state identified in the forum activities.
5. Create a roadmap for the improvement of STEM education that supports workforce and economic development in our state.

Agenda

7:45 - 8:15 Registration and continental breakfast

8:15 – 8:30 Welcome, Introductions, and Orientation to the Summit

Dr. Charles Nash, Vice Chancellor, The University of Alabama System and Chairman, Alabama Mathematics, Science, Technology, and Engineering Coalition (AMSTEC) Board of Directors

8:30-9:30 Opening Session and Keynote Address--National Perspectives on Workforce and Economic Competitiveness and STEM Education

Dr. Linda Rosen, CEO, *Change the Equation*

9:30 – 10:45 Plenary Session I— *Developing the State’s STEM Workforce*

Moderator: Ms. Lucia Cape, Vice President Workforce Development, Huntsville Chamber of Commerce

Mr. Bill Taylor, President, Economic Development Partnership of Alabama

Dr. Sam Addy, UA Director, Center for Business and Economic Research

Dr. Freida Hill, Chancellor, Alabama Community College System

Dr. Carol Garrison, Chairperson, Council of University and College Presidents and President of UAB

10:45 – 11:00 Break and STEM Program, Workforce and Economic Development Exhibits

11:00 – 12:00 Plenary Session II--*The Role and Challenges of Informal STEM Programs in Alabama*

Moderator: Dr. Cindy Kirk, Vice President of Education Services, Alabama Public Television

Dr. Neil Lamb, Director of Education Outreach, HudsonAlpha Institute for Biotechnology

Ms. Tammy Rowan, NASA Marshall Educational Programs Representative

Mr. Tim Ritchie, President, McWane Science Center

Dr. Susan Pruet, Mobile Area Education Foundation

12:00 – 12:15 *Break*

12:15 – 1:30 Luncheon--*The Importance of STEM in Alabama*

Representative Phil Williams, Master of Ceremony

Mr. William Canary, President, Business Council of Alabama

Governor Robert Bentley

Invited: Alabama state legislators and key business/industry officials

1:30 – 2:00 Break and STEM Program, Workforce and Economic Development Exhibits

2:00 – 3:15--Plenary Session III--*Next Generation STEM Standards*

Moderator: Dr. Joseph Morton, Alabama State Superintendent

Dr. Tommy Bice, Deputy Superintendent, Alabama Department of Education

Dr. Stephen Pruitt, ACHIEVE Inc., Vice President for Content, Research and Standards, Leader of Next Generation Science Standards

3:15 – 4:15--Closing Session

Moderator: Dr. Charles Nash, Chairman, AMSTEC Board of Directors, Vice Chancellor, The University of Alabama System (with assistance from the summit planning team)

Interactive session to identify Alabama’s six to eight top Workforce, Economic Development, and STEM priorities and required actions

4:30 – 6:30--STEM Stakeholders Reception

STEM Program, Workforce, and Economic Development Exhibits

All summit attendees plus invited Alabama State Legislators and invited key business/industry stakeholders