“the JULY 19th COLLABORATION”

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EdLab Group

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Mimi Lufkin, CEO
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The Educate to Innovate Campaign
launched in 2009:

- Increase science, technology, engineering, and mathematics (STEM) literacy,
- Move American students from the middle of the pack to top,
- Expand STEM education and career opportunities for underrepresented groups, including women and girls.
To leverage the best information possible, based on sound research and effective practices, to identify the top priorities to address the problem area of girls and women in STEM education based on the opinions of organizations closest to the problem and supported through input from the wider community of practice.
Organizers

- Karen Peterson, National Girls Collaborative Project
- Mimi Lufkin, National Alliance for Partnerships in Equity
- Claudia Morrell, formerly Multinational Development of Women in Technology; now National Alliance for Partnerships in Equity
- Writing: Ruta Sevo, Momox
Expedient method for community input:

- Pre-meeting electronic brainstorming by representatives of national organizations that are familiar with research and practices related to girls and STEM (K-12) as a significant component of their activities.
- Pre-meeting electronic brainstorming by the wider community of practice, as input to the meeting of representatives.
- An in-person meeting to discuss and prioritize recommendations.
- A short list of recommendations to the Educate to Innovate Campaign, with a report back to participants in the process.
Straw recommendations or “strategies” were taken from a document produced by the National Alliance for Partnerships in Equity. See *Nontraditional Career Preparation: Root Causes and Strategies*, found at www.napequity.org
Delphi Process

- Invitees to the meeting were asked to rank, anonymously, the importance of various types of strategies, programs or agendas that have been proven to be effective and should be recommended for investment.
- In order to hear the opinions of those in the wider community, we conducted a second, parallel, electronic brainstorm process. The same list of strategies was presented in a separate URL.
8000 people
Two rounds of input
Ranking of top five strategies plus comments
350 people responded
Up to 20 representatives of national organizations that are familiar with research and practices related to girls and STEM (K-12) as a significant component of their activities were invited to attend the small meeting.
Listening Panel

- White House Office of Science and Technology Policy
- White House Office of Public Engagement
- White House Council on Women and Girls
- National Science Foundation
- National Aeronautics and Space Administration
- Department of Defense
- Department of Energy
- Department of Education
Welcome and Introductions
Project Overview and Purpose of Meeting
Survey Results Presentation and Discussion
“Top 10” Presentations and Discussion
Listening Panel Questions and Comments
Final Ranking Activity and Discussion
Report Structure, Next Steps, Planned Follow-up
Top Recommendations

- Help teachers change their interactions with students to engage and motivate all students,
- Support programs that expose students to diverse role models and mentors,
- Emphasize the awareness and adoption of new ways of teaching STEM that have proven to engage and recruit more students,
- Increase the number of TV programs that spark interest in STEM subjects,
- Cultivate and support collaboration among groups, companies, and leaders
Next Steps

- Continuing conversations with the Administration about their priorities and actions related to the third pillar of the Educate to Innovate Campaign
- Continuing collection of responses to the survey for a future updated report.
- WE NEED YOU TO COMPLETE THE SURVEY AT www.stemcollaboration.org
- Possible future summit
Reflections from Participants

- Laura Adolfie, PhD, Director, STEM Development Office, Office of the Director, Defense Research and Engineering

- Lauren Baker, Coordinator Career and Technical Education, Milwaukee Public Schools
Questions?

www.stemcollaboration.org