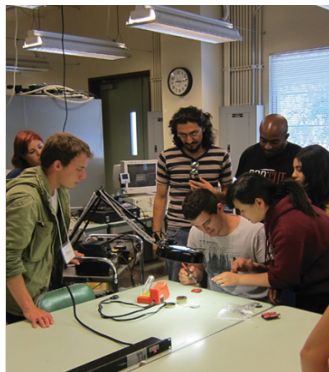




INSPIRE - ENGAGE - EDUCATE - EMPLOY

The Next Generation of Explorers



NASA Advisory Council Ad Hoc Task Force On STEM Education
December 7, 2017

Dr. Aimee Kennedy
Chair, Ad Hoc Task Force on STEM Education

STEM Task Force Council Members



- Ms. Aimee Kennedy (Ohio): STEM Task Force Chair, Vice President for Education, STEM Learning and Philanthropy at Battelle Memorial Institute.
- Dr. Margaret Honey (N.Y.): President and CEO of the New York Hall of Science.
- Dr. Michael Lach (Ill.): Director of STEM Policy and Strategic Initiatives at the University of Chicago.
- Mr. Ray Mellado (Calif.): Founder and Chairman of the Board, Great Minds in STEM™
- Dr. Carl Person (N.C.): Undergraduate Research Preceptor, Fayetteville State University.



NASA Advisory Council Ad Hoc Task Force On STEM Education

Findings and Recommendations

Finding 1



Finding 1: Demonstrating Continued Improvement

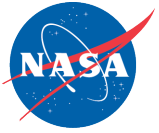
- **BSA**

- Our Task Force has had a chance to look at more of the BSA details, and we concur that the BSA efforts are addressing the issues that have been previously highlighted. We believe that the initial results have the potential to help NASA move forward in a more strategic and focused direction.

- **Measurement and Evaluation**

- The Office of Education is revamping the current plan to improve performance measurement and evaluation of NASA's STEM engagement activities. This effort has been briefed to OMB, NSF, and the Task Force. We are encouraged by the collaboration, and support the further development and implementation of this plan.

Finding 1 (Cont'd)



- **Functional Leadership**

- Building on the efforts of the BSA, the Office of Education is working across organizations to facilitate an integrated STEM education strategy that includes HQ mission directorates and staff offices as well as NASA centers.
- NASA plays an essential role in STEM engagement across the US. The aspirational change desired from this effort is complex. To sustain long term success of this effort, collaboration and commitment will need to be guaranteed across the agency.

- **Broadening Participation**

- NASA's commitment to reaching underrepresented and underserved communities has been a long-term priority throughout the history of its STEM engagement activities. During the changes noted above, NASA should be sure to not lose sight of the role they have played, and should continue to play, in engaging, educating, inspiring, and employing underserved populations in the STEM workforce.

Recommendation 1



Recommendation 1: Elevating Ad-Hoc Task Force Status

- The NASA Advisory Council Ad-Hoc Task Force on STEM Education should become a regular committee of the NAC.
- **Major Reasons for the Recommendation:**
 - A regular committee of the NAC that focuses on STEM Engagement, and is made up of representatives from key stakeholder groups, will provide a set of diverse perspectives from different constituent groups about trends and current events in the national STEM movement.
 - Establishment of a regular committee rather than an ad hoc task force will provide much needed continuity to provide advice and input needed to be responsive to STEM engagement and education requests and mandates from Congress and the Administration.
- **Consequences of No Action on the Recommendation:**
 - The institutional knowledge developed by the current task force over the last 35 months will be lost.
 - The Terms of Reference for the NASA Advisory Council Ad-Hoc Task Force on STEM Education indicate that with no extension or formalization, the task force dissolves in November of 2018.



Questions?



Thank You!

