



S T E M **INSPIRE - ENGAGE - EDUCATE - EMPLOY**
    **The Next Generation of Explorers**

Status Briefing:
**NASA Education Evaluation and
Performance Monitoring Activities**

November 13, 2017

Agenda



- ☐ FY 17 Evaluation Challenges, Progress and Opportunities
- ☐ FY 18 Plans



THE BUDGET FOR FISCAL YEAR 2018

This appropriation provides for the full costs associated with NASA's education activities within the Office of Education, which include labor, travel, procurement, test and fabrication costs. The Budget proposes the termination of the Office of Education and its portfolio of programs and projects. The Office of Education has experienced significant challenges in implementing a focused NASA-wide education strategy. Additionally, the Office of Education lacks sufficient outcome measures to assess the effectiveness of its programs.

The Budget supports the orderly closeout and/or transition of these activities needed to comply with federal laws and regulations regarding contracts, grants/cooperative agreements, civil servants, records management, and administrative infrastructure.

While the Budget no longer supports the formal Office of Education programs, NASA will continue to use every opportunity to support the next generation through engagement in our missions and the many ways that our work excites and encourages discovery by learners and educators.



Performance Measurement

- NASA Education's broad measures of success miss an opportunity to demonstrate specific progress towards short, mid and long-term outcomes.
- Prior performance assessment has excluded portions of the portfolio

Evaluation

- Program-level evaluation efforts have not synthesized individual activity-level evaluations to identify program-level impacts



Performance Measurement

- In alignment with BSA direction, NASA Education is proposing revised FY 18 performance measures to assess improvement of evaluation strategies and project impacts.
- NASA Education implemented refined data management business processes that improved activity data reporting by 46% over FY 2016.
- NASA Advisory Council (NAC) Subcommittee on STEM Education

Evaluation

- All significant MUREP and SEAP activities have active awardee or Center-level evaluations.
- NASA Education is in the process of testing instruments for broader use with internship, educator professional development, and STEM engagement efforts.
- Collaboration with Co-STEM Interagency Working Groups (IWG)
- NSF/NASA Collaboration Meeting (Nov. 2nd)



Performance Measurement

- Develop a series of performance indicators that demonstrate progress towards achieving goals and outcomes.
- Refine performance measurement and data management business processes to strengthen: 1) Development of performance targets; 2) Data collection, verification and validation, and analysis; and 3) Performance reporting.

Evaluation

- Strengthen the quality and cost effectiveness of evaluation activities by creating multi-year program-level strategies.
- Refine the business process to review evaluation plans and reports against a set of standards.
- Refine the approach to synthesize findings and use results to improve programs.

FY18 Performance and Evaluation Strategy

