STEM ENGAGEMENT

Budget Authority (in $ millions)	Op Plan FY 2019	Enacted FY 2020	Request FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Total Budget	**110.0**	**120.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

FY 2019 reflects total discretionary funding amounts specified in Public Law 116-006, Consolidated Appropriations Act, 2019, as adjusted by NASA's FY 2019 Operating Plan.

The FY 2020 Operating Plan was not finalized at the time of Budget release. Therefore, only specific marks from Public Law 116-93, Consolidated Appropriations Act, FY 2020, as well as projects in development, are included in the FY 2020 column.

STEM ENGAGEMENT

FY 2021 Budget

Budget Authority (in $ millions)	Op Plan FY 2019	Enacted FY 2020	Request FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Total Budget	**110.0**	**120.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Change from FY 2020			**-120.0**				
Percentage change from FY 2020			**0.0%**				

FY 2019 reflects total discretionary funding amounts specified in Public Law 116-006, Consolidated Appropriations Act, 2019, as adjusted by NASA's FY 2019 Operating Plan.

The FY 2020 Operating Plan was not finalized at the time of Budget release. Therefore, only specific marks from Public Law 116-93, Consolidated Appropriations Act, FY 2020, as well as projects in development, are included in the FY 2020 column.

Shown above are the winning teams of the First Nations Launch from Chief Dull Knife College and Northwest Indian College at Kennedy Space Center on August 14-16, 2018.

The FY 2021 Budget proposes the termination of NASA's traditional education portfolio of domestic assistance awards (i.e., grants and cooperative agreements). NASA will continue to support other Science, Technology, Engineering, and Mathematics (STEM) activities, such as internships and fellowships, within the Mission Directorates. A functional office at NASA headquarters (funded out of Safety, Security, and Mission Services) will oversee Agency-wide coordination of STEM engagement efforts. NASA will continue to support the Administration's STEM priorities, outlined in Charting a Course for Success: America's Strategy for STEM Education, with three areas of focus:

- Creating unique opportunities for students to contribute to NASA's work in exploration and discovery;
- Building a diverse future STEM workforce by engaging students in authentic learning experiences with NASA's people, content, and facilities; and
- Strengthening understanding by enabling powerful connections to NASA's mission and work.

EXPLANATION OF MAJOR CHANGES IN FY 2021

No funding is requested for Space Grant, Established Program to Stimulate Competitive Research (EPSCoR), and Minority University Research and Education Project (MUREP). NASA proposes to use unobligated balances previously appropriated to support the termination of these activities, including but not limited to, ongoing administration, oversight, monitoring, and funding of grants previously awarded by the Office of STEM Engagement.

STEM ENGAGEMENT

WORK IN PROGRESS IN FY 2020

In FY 2020, the Office of STEM Engagement continues Agency-wide coordination of the Agency and Federal priorities for engaging, inspiring, and enabling the next generation of STEM practitioners and space explorers. The Office of STEM Engagement continues to implement Agency-level initiatives to eliminate duplication of effort and inefficiency and strengthen standards and rigor in project management, fiscal accountability, and performance measurement.

Some ongoing work in FY 2020 includes an improved search engine that will help students and educators at all levels access the information and products they need on the NASA STEM Engagement website: https://www.nasa.gov/education/overview/index.html

Also, a new STEM Engagement Performance Assessment and Evaluation Framework will be continued.

EPSCoR will administer the grants and support the researchers selected through Research Infrastructure Development awards, the FY 2020 Research Award, and the FY 2020 International Space Station Flight Opportunities award solicitations.

In FY 2020, NASA MUREP will support multiple award selections to Minority Serving Institutions under the FY 2020 solicitation. In addition, MUREP and EPSCoR will initiate a collaborative program to encourage the participation of women and other underrepresented groups in STEM research.

In FY 2020, NextGen STEM will implement an integrated set of efforts to develop STEM engagement products and opportunities that provide a platform for students to contribute to NASA's endeavors in exploration and discovery. These mission-driven activities include over 20 evidence-based products and opportunities to engage students in authentic STEM experiences. NASA is also working to provide mission-driven opportunities to enhance STEM literacy and help build a vibrant and diverse next generation STEM workforce.

NASA will award new four-year Space Grant awards in FY 2020 that provide the same amount of base funding to all consortia and implement a variety of student challenges in partnership with NASA Mission Directorates. These student challenges are aimed at enabling student contributions to NASA's ongoing work through Space Grant institutions.

WORK IN PROGRESS IN FY 2021

NASA will implement an orderly shutdown of the Office of STEM Engagement programs and projects with the goals of minimizing negative impact to awardees and performing closeout in a cost-effective and efficient manner.