

STEM ENGAGEMENT

Budget Authority (in \$ millions)	Actual FY 2018	Enacted FY 2019	Request FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Total Budget	100.0	110.0	0.0	0.0	0.0	0.0	0.0

FY 2018 reflects funding amounts specified in Public Law 115-41, Consolidated Appropriations Act, 2018, as adjusted by NASA's FY 2018 Operating Plan. Table does not reflect emergency supplemental funds also appropriated in FY 2018, totaling \$81.3 million.

The FY 2019 Operating Plan was not approved at the time the budget was prepared. Therefore, only specific marks from Public Law 116-006, Consolidated Appropriations Act, 2019, as well as projects in development, are included in the FY 2019 column.

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FY 2020 Budget

Budget Authority (in \$ millions)	Actual FY 2018	Enacted FY 2019	Request FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Total Budget	100.0	110.0	0.0	0.0	0.0	0.0	0.0
Change from FY 2019			-110.0				
Percentage change from FY 2019			0.0%				

FY 2018 reflects funding amounts specified in Public Law 115-41, Consolidated Appropriations Act, 2018, as adjusted by NASA's FY 2018 Operating Plan. Table does not reflect emergency supplemental funds also appropriated in FY 2018, totaling \$81.3 million.

The FY 2019 Operating Plan was not approved at the time the budget was prepared. Therefore, only specific marks from Public Law 116-006, Consolidated Appropriations Act, 2019, as well as projects in development, are included in the FY 2019 column.



The FY 2020 Budget proposes the termination of NASA’s traditional education portfolio of domestic assistance awards (grants and cooperative agreements). NASA will continue to support other STEM activities, such as internships and fellowships, within the Mission Directorates. A functional office at NASA headquarters (funded out of Agency Management and Operations) 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 2020

No funding is requested for Space Grant, Established Program to Stimulate Competitive Research (EPSCoR), and Minority Universe 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.

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WORK IN PROGRESS IN FY 2019

In August 2018, the Office of Education was replaced with the Office of STEM Engagement. In 2019 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 on-going work in FY 2019 includes imminent launch of 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, developed in 2018, will be employed.

- EPSCoR will administer the grants and support the researchers selected through their fourth year Research Infrastructure Development award, the FY 2019 Research Award and FY 2019 International Space Station Flight Opportunities award solicitations.
- In FY 2019, NASA MUREP will support multiple award selections to Minority Serving Institutions under the FY 2019 solicitation. In addition, MUREP and EPSCoR will initiate a collaborative pilot program to encourage the participation of women and other underrepresented groups in STEM research.
- Next Gen STEM will complete its pilot activities including evaluation of the initial success of the work. Also, through Museum Alliance, Next Gen STEM will connect informal education communities to STEM engagement collaborative opportunities. For FY 2019, these efforts will largely be anchored to the 50th Anniversary of Apollo 11, the first human moon landing.
- Space Grant consortia are currently implementing activities outlined in the 4-year extension to the previous 3-year base awards and the Space Grant program has released a solicitation that extends these current activities for one additional year.

WORK IN PROGRESS IN FY 2020

NASA will implement an orderly shutdown of the Office of STEM Engagement programs and projects. This effort will be guided by these overarching goals: minimize negative impact to awardees and perform closeout in a cost-effective and efficient manner.