



OFFICE OF STEM ENGAGEMENT (OSTEM)

Grants and Cooperative Agreements Profile

OVERVIEW

NASA's journeys have propelled technological breakthroughs, pushed the frontiers of scientific research, and expanded our understanding of the universe. These accomplishments, and those to come, share a common genesis: education in Science, Technology, Engineering and Math (STEM). NASA's Office of STEM Engagement (OSTEM) delivers tools for young students and educators to learn and succeed.

OSTEM seeks to

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

To achieve these goals, OSTEM strives to increase K–2 involvement in NASA projects, enhance higher education, support underrepresented/underserved communities, strengthen online education, and boost NASA's contribution to informal education. The intended outcome is a generation prepared to code, calculate, design, and discover its way to a new era of American innovation.

OSTEM PROGRAM AREAS:

[Experimental Program to Stimulate Competitive \(EPSCoR\)](#) – strengthens the research capability of jurisdictions that have not participated equitably in competitive aerospace and aerospace-related research activities. Twenty-five states, the commonwealth of Puerto Rico, the U.S Virgin Islands, and Guam currently participate.

[Minority University Research and Education Project \(MUREP\)](#) – increases NASA's responsiveness to Federal mandates related to Minority Serving Institutions (MSI), including Historically Black Colleges and Universities, Hispanic Serving Institutions, Asian American and Native American Pacific Islanders Serving Institutions, Alaska Native and Native Hawaiian Serving Institutions, American Indian Tribal Colleges and Universities, Native American Serving Nontribal Institutions and other MSIs. MUREP awards assist faculty and students in research and provide STEM engagement related to NASA

FAST FACTS

Assistance Listing Number:
43.008

Authorizing Statute:
National Aeronautics and Space Act of 1958
Public Law 100-147 Title II Section 202
National Space Grant College and Fellowship Act
Experimental Program to Stimulate Competitive
Research on Space Aeronautics Act

Average Number of Active Awards:
290

Average Funding Per Award:
\$430,953

Applicant Eligibility:
Institutions of Higher Education
Non-Profit Organizations
For-Profit Organizations
State and local Government

missions. The awards also provide NASA-specific knowledge and skills to learners who have historically been underrepresented and underserved in STEM.

[National Space Grant College and Fellowship Program \(Space Grant\)](#) – funds a coordinated effort to help maintain America's preeminence in aerospace science and technology through the establishment of state-based consortia consisting of educational institutions and aerospace-related industries. These Institutions work to expand opportunities for Americans to understand and participate in NASA's aeronautics and space projects by supporting and enhancing science and engineering education, research, and public outreach efforts. The Space Grant national network includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies.

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NextGen STEM – sparks and sustain interest in STEM in students in grades K–12, by connecting students and their formal and informal educators to NASA’s endeavors in exploration and discovery. NextGen STEM creates, delivers, and curates NASA STEM products and experiences that make connections to NASA and fuel STEM learning and identity.

IMPORTANT LINKS & RESOURCES

OSTEM Funding Opportunities

<https://www.grants.gov>

<https://nspires.nasaprs.com/external/>

<https://www.nasa.gov/stem/murep/projects/index.html>

Office of STEM Engagement

<https://www.nasa.gov/stem>

NASA Shared Services Center (NSSC)

<https://www.nasa.gov/centers/nssc/grants>

NASA Grants Policy and Compliance

<https://www.nasa.gov/offices/procurement/gpc>

NASA Proposer’s Guidebook

https://www.nasa.gov/offices/procurement/gpc/regulations_and_guidance

NASA Grant & Cooperative Agreement Manual

https://www.nasa.gov/offices/procurement/gpc/regulations_and_guidance

TOTAL AWARD OBLIGATIONS PER FISCAL YEAR

FY 2022 \$112,164,634

FY 2021 \$133,548,505

FY 2020 \$94,267,553

FY 2019 \$83,617,051