

# NASA Education



$$E=mc^2$$



*Inspire. Engage. Educate. Employ.*





## Who We Are

Education is a fundamental part of NASA's vision "to reach for new heights and reveal the unknown so that what we do and learn will benefit all humankind."

NASA's Offices, Mission Directorates, and Centers work together to offer unique educational experiences to learners, educators, and institutions. We connect you to NASA's content, Web sites, people, resources, and facilities.



## What We Do

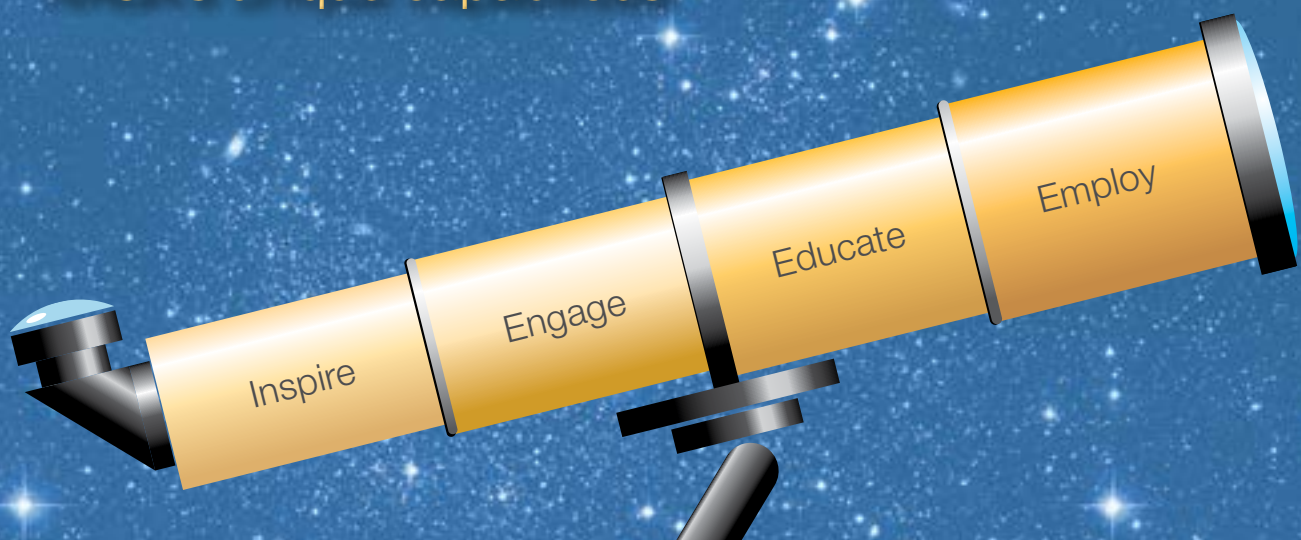
NASA Education programs engage Americans in NASA's mission and inspire interest in **science, technology, engineering, and mathematics, or STEM**. We support the Nation's elementary and secondary schools, universities, colleges, and community colleges by providing research and internship opportunities that will fuel a vibrant culture of learning and achievement in STEM education.

NASA Education provides exciting opportunities for learners of all ages to explore and develop their full potential. By empowering today's learners, educators, and institutions with knowledge and technical skills, we are helping to prepare the next generation of innovators to compete in a challenging global economy.

NASA Education also offers professional development and research opportunities for preservice, inservice, and informal educators, as well as university professors. NASA's educational programs play a significant role in strengthening our Nation's STEM education pipeline

## NASA Education Vision

To advance STEM education using NASA's unique capabilities



## How We Do It

NASA Education provides unique educational experiences to learners, educators, and institutions through four initiatives that focus on specific goals:

### STEM Engagement

NASA connects with learners of all ages to spark an interest in STEM. *NASA STEM Engagement* opportunities aim to increase involvement in STEM by connecting learners to NASA-unique resources, and to change the perception of STEM among learners who will contribute to our Nation's economic growth.



### Educator Professional Development

NASA supports, trains, and inspires educators who play a key role in nurturing the future STEM workforce. *Educator Professional Development* at NASA increases educators' confidence in presenting STEM materials within their education environments through interactions with NASA's content, facilities, and personnel.

### Institutional Engagement

*NASA Institutional Engagement* supports efforts that build and develop the capabilities of formal and informal institutions for sustained STEM education in areas of interest to NASA. *Institutional Engagement* focuses on five primary goals: Capacity, Content, Diversity, Sustainability, and Community.



### NASA Internships, Fellowships, and Scholarships

NASA invests in the workforce of tomorrow by providing opportunities that will launch a new era of learning, innovation, and achievement in STEM. NASA motivates students to pursue STEM careers by providing *Internships, Fellowships, and Scholarships* at NASA Centers and Headquarters. NASA's One Stop Shopping Initiative (OSSI) provides students with streamlined access to these exciting opportunities, which engage them in NASA's mission. NASA also remains committed to providing direct awards in higher education to racially or ethnically underrepresented students, women, and persons with disabilities.

# Where We Are

NASA Education programs are available in all 50 states, the District of Columbia, and the Commonwealth of Puerto Rico.

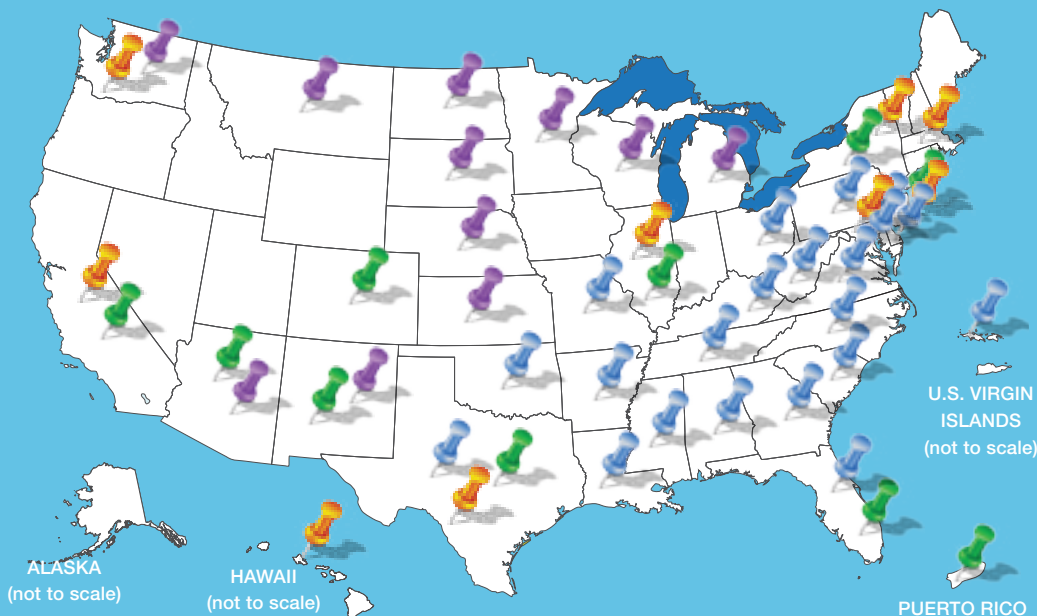
## MUREP (Minority University Research and Education Program)

NASA actively recruits learners who are underrepresented and underserved in STEM fields, including minorities, women and girls, and persons with disabilities. Participating in NASA projects and research inspires students to continue and complete their studies at all education levels and to pursue advanced degrees in STEM fields critical to NASA and the Nation.

NASA's *Minority University Research and Education Project (MUREP)* reinforces the capabilities of higher education

institutions to meet future demand for a well-trained workforce of STEM professionals. *MUREP* also enhances the research, academic, and technology resources of Historically Black Colleges and Universities (HBCUs), Hispanic-Serving Institutions (HSIs), Tribal Colleges and Universities (TCUs), Asian American, Native American, and Pacific Islander-Serving Institutions (AANAPISIs), and other Minority-Serving Institutions (MSIs). Multiyear grants awarded to MSIs support faculty and students in research pertinent to NASA missions; sponsor underrepresented and underserved learners through unique research projects, internships, scholarships, and fellowships at NASA Centers throughout the United States; and offer opportunities for enhanced faculty development at minority institutions, thereby fostering both excellence and diversity among future leaders in STEM fields.

## NASA Awards to Minority-Serving Institutions and Organizations by State



NASA has invested more than **\$118 Million** into Minority-Serving Institutions and organizations.

Pin values represent a minimum investment of \$1,500 made to a Minority-Serving Institution in the state.

*Data Sources Explanatory Note:* Financial data has been compiled from the annual report on Agency expenditures for Minority-Serving Institutions in FY 2012 submitted by NASA Field Centers, Mission Directorates, Office of Human Capital, Office of Diversity and Equal Opportunity, Office of Education, and Headquarters Procurement. The data referred to here are accurate as of June 2013.

## Minority-Serving Institution Types

NASA CONTRIBUTIONS  
**\$ 24,911,161**

Historically Black Colleges and Universities

NASA CONTRIBUTIONS  
**\$ 2,657,710**

Tribal Colleges and Universities

NASA CONTRIBUTIONS  
**\$ 58,833,796**

Asian American, Native American, and Pacific Islander-Serving Institutions

NASA CONTRIBUTIONS  
**36,817,960**

Hispanic-Serving Institutions



## Space Grant

*Space Grant* is a national network of colleges and universities working to expand opportunities for Americans to participate in NASA's aeronautics and space projects by supporting science and engineering education, research, and public-outreach efforts. The *Space Grant* network includes more than 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies. Each affiliate belongs to one of 52 consortia located in all 50 states, the District of Columbia, and the Commonwealth of Puerto Rico. The consortia fund fellowships and scholarships for students pursuing careers in STEM, as well as curriculum enhancement and faculty development programs. Member colleges and universities also administer pre-college and public-service education projects in their states.

## Partnerships

At its core, NASA is about American innovation and ingenuity. The Agency's education programs reflect these same priorities.

NASA accomplishes its educational goals through its strong, mutually beneficial relationships with external partners and other Federal agencies. This results in experiences that engage Americans in NASA's mission while promoting STEM literacy. These partners are crucial to successfully connecting with learners, educators, and institutions using NASA-unique content.

By nurturing the next generation of STEM leaders and preparing the Nation's future workforce, NASA aims to launch a new era of innovation.

*STEM is the future—how will you get involved?*



$$E=mc^2$$

## Connecting with NASA Education

NASA Education points of contact can be found online at <http://www.nasa.gov/offices/education/contacts/index.html>.

## Participating in NASA Education Programs

Visit the Education Web site of the NASA Center in your region for information about local programs and activities. The list of regional Centers is available at <http://www.nasa.gov/offices/education/centers/index.html>.

## Applying for NASA Internships, Fellowships, and Scholarships

To learn how to apply for NASA internships, fellowships, and scholarships, visit <https://intern.nasa.gov/>.

## Joining the NASA Education EXPRESS Mailing List

To receive e-mail announcements about NASA products, activities, workshops, events, and opportunities to bring NASA educational resources into your classroom, sign up at <http://www.nasa.gov/education/express>.

For more information, please visit <http://www.nasa.gov>. The NASA Web site is the single point of entry to NASA public content and the most popular Government site on the Web. It serves as the gateway to information on content, programs, and services offered by NASA for the public and, specifically, for the education community.

Connect with us on Facebook at <https://www.facebook.com/pages/NASA-Students-at-wwwnasagov/176813089042984?v=wall> or tweet us at <https://twitter.com/NASAedu>

National Aeronautics and Space Administration  
Office of Education  
**NASA Headquarters**  
300 E Street SW  
Washington, DC 20546  
<http://www.nasa.gov/education>

[www.nasa.gov](http://www.nasa.gov)

## Accessing NASA Education Materials

### Companies and Nonprofit Organizations

Contact a NASA Education Office in your region:  
<http://www.nasa.gov/education/ercn>

### Schools and Families

<http://www.nasa.gov/education/materials>

### Educators

[http://www.nasa.gov/education/edu\\_AZ](http://www.nasa.gov/education/edu_AZ)

### Students K–8

[http://www.nasa.gov/education/stuK8\\_AZ](http://www.nasa.gov/education/stuK8_AZ)

### Students 9–12

[http://www.nasa.gov/education/stu912\\_AZ](http://www.nasa.gov/education/stu912_AZ)