



Welcome to Space Center Houston

Space Center Houston is at the center of the space industry. Our network spans NASA and government entities, leading corporations, startups, research institutions and nearly 1.3 million yearly visitors.

As a global destination for STEM, we expand the reputation of Texas as a leader in technology, innovation, and workforce development – across the country and around the world. Every day, we open our doors and unlock the minds of people excited for the exploration and innovation taking place here in our state.

Who We Are

Founded in 1992 as NASA Johnson Space Center's Official Visitor Center, we are an independent 501c3 nonprofit organization with an educational mission to support STEM learning. We celebrate the past, present, and future of human space exploration with exhibits highlighting the successes of NASA's early Mercury, Gemini, and Apollo missions, the scientific breakthroughs made possible by the International Space Station, the aspirations of the Artemis generation, and much more. We are Houston's first Smithsonian Affiliate and a Certified Autism Center.

Our Economic Impact

In 2017, our estimated regional impact was \$118.7 million, 1,710 jobs, and \$53.7 million in personal income based on an attendance of 1 million guests. (An analysis using 2023 attendance numbers is forthcoming.)



Who We Engage

We welcomed 1.27 million guests in 2023 - 56% from within Texas, 44% across the nation and internationally. Since our opening, we've welcomed over 26 million visitors from all corners of the globe. We offer learning programs for youth and adults, creating a pathway for career and technical education, post-secondary and lifelong learning. We engage with 250,000 students and teachers annually:

- 57% of our educational programs are designed to serve students in our region, including formal partnerships with local school districts and community service providers.
- 38% of programs are open to students and teachers from any place of origin.
- 29% of programs are one day in length, 38% two to five days, and 33% multi-week.

Why We Are Needed

- 78% of our nation's high school graduates don't meet benchmark readiness for one or more college courses in science, mathematics, or reading.
- Only 40% of regional public school students meet grade-level expectations in math.
- The U.S. Department of Labor predicts that, of the 10 fastest growing occupations in our country, nearly all will be STEM-focused.

How We Can Support Your Constituents

We are here to tell the story of innovation. Whether displaying one of the first SpaceX Falcon 9 reusable rockets, hosting Axiom's new spacesuit reveal, or featuring a model of Intuitive Machine's Nova-C which just successfully landed on the moon, we are committed to sharing the past, present, and future of exploration. Across the state, Texas aerospace companies are leading innovation. We want to connect with STEM entrepreneurs in your community.

We provide distance learning for all ages. Several of the experiences we offer to students onsite are also available in hybrid and online versions. We welcome the opportunity to connect with teachers and schools in your community interested in accessing these resources.

We are creating a statewide TEKS-aligned curriculum for classrooms and homeschoolers. In partnership with San Antonio's Witte Museum, we are launching Texas Museums 360, an inquiry-based science curriculum leveraging museum collections to empower teachers and parents to bring STEM concepts into practice through primary sources and artifacts. Next school year, we will launch a pilot for fourth grade and are seeking 15 classrooms across Texas to participate.

We help prepare adults for successful careers in aerospace. Our workforce development program *Accelerate Space* upskills recent graduates and early and mid-career professionals to make a transition into the aerospace sector. This semester-long program supports adults with hands-on training, context, and industry networking to take advantage of growing opportunities in the sector.

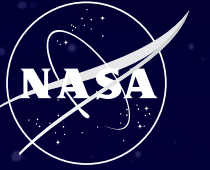


2022 ANNUAL REPORT

NASA's Johnson Space Center

We **DARE** to expand frontiers
 We **UNITE** with our partners to complete bold missions
 We **EXPLORE** space for the benefit of humanity

National Aeronautics and
 Space Administration



Vanessa Wyche
 Director
 Johnson Space Center

NASA'S Johnson Space Center is the hub of human spaceflight, and the iconic setting to some of humankind's greatest achievements. As the home of the nation's astronaut corps, Mission Control Center, International Space Station, Orion, and Gateway programs, Johnson plays a critical role in leading human space exploration and enhancing technological and scientific knowledge.

Johnson Economic Impact

Texas Economic Snapshot

Johnson continues to serve as the leader and originator of human spaceflight, continuously drawing the aerospace industry to the Greater Houston region and Texas every year. As the center's mission expands in coming decades to accommodate missions to more distant destinations, Texas will continue to provide a perfect home base for training, planning, and command. NASA Johnson is leading the way by providing astronaut training, Mission Control Center operations, the International Space Station program, Human Research, and Commercial Crew leadership, and the center is a primary contributor to the agency's Artemis program with Orion, Gateway, and Exploration Architecture, Integration and Science.

Total JSC Budget	Total JSC Expenditures in Texas	Johnson - White Sands Test Facility Budget
\$5.65B	\$2.69B	\$78M

Select NASA Expenditures in Texas

Small Businesses	Veteran-Owned Businesses
\$442M	\$34M
Self-Certified Small Disadvantaged Businesses	Non-Profit and University Awards
\$64M	\$67M
Woman-Owned Businesses	Minority-Owned Businesses
\$105M	\$58M

Johnson Space Center Total Budget by Program

International Space Station Program	\$1.05B
Orion Program	\$1.34B
Human Research Program	\$117M
Commercial Crew Program	\$56.3M
Gateway Program	\$449M
Commercial Cargo Program	\$1.13B
Exploration Operations Program	\$5M
Commercial Low-Earth Orbit Development Program	\$113M
Astromaterials Research and Exploration Science	\$59M
Business Development and Technology Integration Office	\$104.5M

Our People - NASA's Johnson Space Center Workforce

Total Johnson Workforce

# Federal Employees	2,946
# Contractors	8,843
Total # JSC Workforce	11,789

Total Johnson Workforce in Texas

# Federal Employees	2,896
# Contractors	7,214
Total # in Texas	10,110

White Sands Test Facility Workforce

# Federal Employees	50
# Contractors	350
Total # WSTF Workforce	400

Workforce Representation

Engineer or Scientist	75%	Are Minorities	32%
Perform Science, Technical or Aerospace Work	76%	Are Female	36%
Hold Science, Engineering or Technical Degrees	80%		
Hold at Least a Bachelor's Degree	96%		
Hold a Graduate Degree	45%		

FY22 Education Leadership in Texas

Individual High Schools/Homeschools in Texas	852
Individual High Schools/Homeschools Represented in Texas Aerospace Scholars	334
Texas Cities Represented in Texas Aerospace Scholars	219
Texas Students that Have Participated in Texas Aerospace Scholars Since 1999	15K
Texas Community Colleges Represented in Texas Aerospace Scholars	15
Texas Minority Serving Institution Colleges and Universities in MUREP Initiatives	17

Johnson's Office of STEM Engagement leverages NASA's unique capabilities to advance STEM education, and human space exploration. Students in Texas have a unique opportunity to participate in Texas Aerospace Scholars – encouraging students to explore unlimited career possibilities in science, technology, engineering and mathematics (STEM) with human space exploration as its central theme.

NASA's Minority University Research and Education (MUREP) Project engages under-represented populations through a wide variety of initiatives. Multiyear grants are awarded to assist minority serving institutions' faculty and students conducting research of pertinent missions.

Partnerships at Work

International Space Station and Commercial Low Earth Orbit Development



Business Accelerator Programs



Commercial Cargo



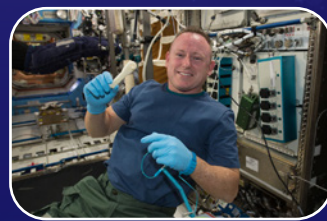
Commercial Crew



Human Research



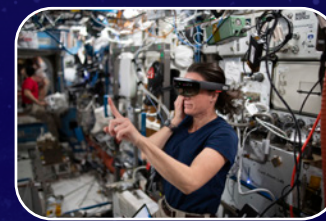
Infrastructure Development



In-Space Manufacturing

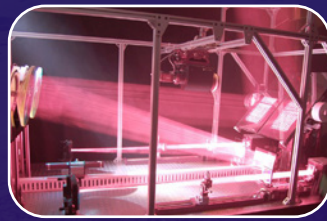


Research and Development



Tech Demos

Prizes, Challenges, and Crowdsourcing



Space Act Agreements



STEM Activities and Internships



Programs



Business Development and Technology Integration Office



International Space Station Program



Commercial Crew Program



Commercial Low-Earth Orbit Development Program



Orion Program



Gateway Program



Extravehicular Activity and Human Surface Mobility Program



Human Research Program



Engineering Directorate



Exploration Architecture, Integration and Science Directorate



Flight Operations Directorate



Human Health and Performance Directorate



Office of Safety and Mission Assurance



White Sands Test Facility



Full FY2022
Johnson Space Center
Economic Impact Report

Texas in Space

<https://external.jsc.nasa.gov/TexasInSpace/#/>