

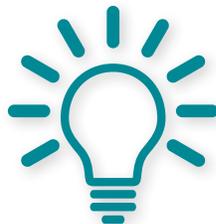
Preparing students for a **bold future**

Marshall bolsters America's future by nurturing students' interest in the fields of Science, Technology, Engineering, and Mathematics (STEM). To support the education pipeline, Marshall provides activities and programs that touch students from elementary school through college, and into their early careers.

Inspire

NASA's Speakers Bureau program

puts engineers and scientists in touch with community and classroom opportunities to inspire young and old. Marshall employees voluntarily reached out to more than 18,000 students and community leaders through the Speakers Bureau program in FY2013.



Marshall also provides stimulating experiences for STEM learning outside of formal classroom environments through media, exhibits and community-based programming.

Educate

In supporting Elementary and Secondary Education, Marshall provides educators with tools, experiences, and opportunities to enhance their knowledge of science, technology, engineering, and mathematics and inspire pursuit of STEM careers.

HUNCH (High schools United with NASA to Create Hardware) is a collaboration between Marshall and 14 high schools in Alabama, Louisiana, Mississippi, Montana, and Tennessee.

Students in participating Technology classes work with NASA engineers while studying realistic hardware designs and fabricating simulated hardware based on equipment used on the International Space Station. NASA uses the relatively high-fidelity student-produced hardware in mockups used for training astronauts and ground support personnel at Marshall's full-size Space Station Mockup and Lab Training Complex.



Engage

Marshall supports institutions of higher education to strengthen their research capabilities and provide opportunities that attract and prepare increasing numbers of students for NASA-related careers.



The first annual **Human Exploration Rover Challenge**, formerly known as “The Great Moonbuggy Race,” was held in April 2014, at the U.S. Space & Rocket Center. This year’s competition engaged 38 high school and 46 college students and provided valuable experiences in the technologies and concepts that will be needed in future exploration missions.



Student Launch is a research-based, competitive, and experiential exploration project that provides relevant and cost-effective research and development to support the Space Launch System. The project engaged more than 20 colleges and universities across the nation in an eight-month commitment to design, build, and fly payloads or vehicle components that support SLS.

Employ

The **NASA Pathways program** provides a career path for students to engage in NASA work while in school in preparation for employment after graduation. Completion of each program may lead to temporary or permanent jobs with NASA. Three programs help students bridge the gap between education and long-term STEM careers:

- Internship Employment Program
- Recent Graduates Program
- Presidential Management Fellows Program





The Innovative System Project for the Increased Recruitment of Emerging STEM Students (InSPIRESS) is an

outreach project providing the opportunity for high school students to develop and design a scientific payload to be accommodated on a spacecraft designed by

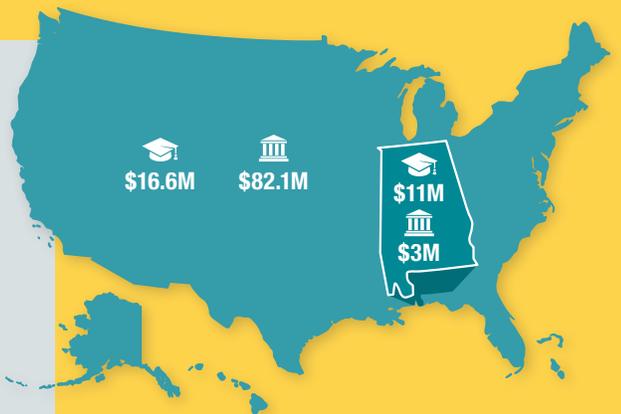
undergraduate students participating on the University of Alabama in Huntsville Integrated Project Team.



High school students collaborate with the undergraduate engineering students to understand the engineering requirements, design process, and role a customer plays in design. InSPIRESS teams compete for selection by the undergraduate engineering teams. The student teams explore STEM fields by investigating a spacecraft payload to travel to a planetary body. The competitions are sponsored by NASA's Discovery and New Frontiers Program Office.

Marshall's Investment in Research Grants

By maintaining a highly educated workforce in North Alabama, NASA enhances economic growth and provides a valuable resource for businesses and the local community. To foster this growth, the agency provides educational institutions with procurements and grants for research that supports the agency's mission.



Educational Institutions



Nonprofit Organizations

Marshall: A Bold **impact** in the Community

In addition to supporting the community through improved education and technology development, employees at Marshall are boldly generous throughout their communities. Marshall team members contribute to the Combined Federal Campaign (CFC) financially and by volunteering their time to help local nonprofits as part of the CFC Community Days. The CFC dollars help support nonprofit organizations as they provide health and human service benefits throughout the region and the world.

Marshall employees participate through the Tennessee Valley CFC, which also includes the Army's Aviation and Missile Command and other federal agencies at Redstone Arsenal and in surrounding Alabama and Tennessee counties.

Marshall is the third largest organization in the Tennessee Valley CFC, yet contributes more than the two largest organizations combined. Nearly 30% of the Tennessee Valley CFC dollars come from Marshall employees. Marshall's total contribution was more than **\$678,000**.



Members of the Marshall team gather plates to feed the homeless by serving meals at the Huntsville Downtown Rescue Mission.

Teams from Marshall framed houses for Habitat for Humanity during CFC Community Service Days.



giving back