



FACT SHEET

# Girls STEM Academy

The Manned Space Flight Education Foundation's education department at Space Center Houston is among the nation's leading science-education resources. Our programs are based on national standards and focus on science, technology, engineering and math to help adults and children think critically, learn about the past, present and future of America's human space flight program and develop a greater understanding of the world. The children we teach and inspire today could be among the first humans to walk on Mars.

## About

Girls STEM Academy, presented by Phillips 66, is a gender-specific program designed to encourage middle-school girls to apply science, technology, engineering and mathematics (STEM) concepts and skills through hands-on, inquiry-based learning. Girls STEM Academy is part of the center's Youth STEM Academies.

In this program, girls engage in innovative and creative applications of science content. They problem-solve, build confidence in construction, experiment with engineering challenges and learn about robotics, technology and engineering through hands-on activities.

The Girls STEM Academy curriculum has been developed to spark interest in STEM careers and support state and national initiatives to improve math and science performance. The program meets the needs of diverse learners and ultimately addresses the under-representation of women in STEM fields. The program consists of a series of five installments at Space Center Houston. Over 1,800 students benefited from Girls STEM Academy in 2018.

## Your Support

The heart of Space Center Houston's core purpose is to fuel the STEM pathway for next generation thinkers and learners. We hope to create a community of problem-solvers by igniting a lifetime of learning. Join us in this mission to inspire and educate the explorers of tomorrow by helping to support our STEM academies or one of our other education programs which can be found online at [spacecenter.org/education](https://spacecenter.org/education). Become an ambassador of space exploration, shaping attitudes, forging the next generation and preserving a history rich in innovation.



Smithsonian Affiliate



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