

More To Explore After We Close the Doors

Stars & STEM, presented by the City of Webster, is a daytime, evening or overnight immersive STEM program designed for students who want to experience the wonders of space exploration through STEM (science, technology, engineering and mathematics).

About the experience

We provide engaging, hands-on activities developed to match each grade level's standards, so students are challenged, inspired and eager to explore STEM concepts when they return to school.

Students will explore topics such as rocketry, robotics, engineering, communication and teamwork through hands-on learning. Depending on grade level, students will build and launch a rocket, design and build rovers and more.

Unique adventures for every age

Select from exciting and engaging activities that interest your group and meet your standards. Options include (but are not limited to):

Programming Paths – Participants will learn to solve programming challenges as they code their own robot to succeed in exploring new areas.

Countdown to Launch! – Students will test various rocket designs to observe the changes in flight and determine which model works best. They will learn about the various parts of a rocket and Newton's laws to learn the science behind the flight tests.

Lunar Robotic Challenge – Participants will maintain a budget and learn to problem solve as they design, build and traverse the lunar landscape.

Thermal Protection System – Students will design, build and test a heat shield to protect their "eggstronaut" from the extreme temperatures upon re-entry into the Earth's atmosphere.



Every program includes

- Exciting, hands-on activities
- Grade-level appropriate learning
- Dinner served at Space Center Houston
- EVA 23 documentary screening
- Second-day visit to Space Center Houston with private guided tram tour to NASA Johnson Space Center

Program prices

- Daytime: coming soon
- Evening: \$59.95/participant
- Overnight: \$69.95/student, \$59.95/adult

Program enhancement options

- Group meal tickets
- Stars & STEM T-shirt
- Starship Gallery tours and Neutral Buoyancy Laboratory tours

Contact us

Questions about registration can be answered by our reservations team at +1 281-283-4755 or reservations@spacecenter.org. Program questions can be answered at stars&stem@spacecenter.org.