

FACT SHEET

Stars & STEM

Stars & STEM 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

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 the science behind the flight tests with Newton's laws.
- **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.

Program Inclusions

- 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

Pricing and Program Enhancements

- Daytime: TBA
- Evening - \$59.95
- Overnight - \$69.95 per student and \$59.95 per adult
- Group meal tickets
- Stars & STEM T-shirt
- Starship Gallery tours and Neutral Buoyancy Laboratory tours



Smithsonian Affiliate

Learn more at:
Stars&STEM@spacecenter.org
[Stars & STEM](#)

Reserve at:
reservations@spacecenter.org
+1 (281) 283-4755

