

National Aeronautics and Space Administration



# HIGH SCHOOL AEROSPACE SCHOLARS

*Texas high school juniors are  
invited to join NASA as we  
**explore the Moon to Mars!***

[www.nasa.gov/has](http://www.nasa.gov/has)



## What is High School Aerospace Scholars?

Texas High School Aerospace Scholars is an authentic STEM learning experience for Texas high school juniors to engage with NASA's missions and become the next generation of explorers. HAS is a year-long commitment for Texas high school juniors which starts in the fall with a five-month online learning experience related to space exploration, Earth science, technology, and aeronautics. High-achieving students receive an invitation to a virtual summer experience (Moonshot) mentored by NASA scientists and engineers. Top Moonshot teams are invited to a residential experience at NASA's Johnson Space Center in Houston during the summer. Both online and onsite portions are free to participants.



### What will you do?

Online activities during the school year:

- Interactive lessons on NASA missions related to space exploration, Earth science, technology, mathematics, and aeronautics
- Learning the engineering design process, coding, and CAD (computer aided design)
- Virtual chats with NASA engineers and scientists
- Engineering design challenges based on NASA missions

The Moonshot virtual experience includes:

- Mentors, NASA engineers and scientists who guide and facilitate research
- Design challenges and preliminary design review presentation
- Virtual activities to support an Artemis-themed mission
- Team challenges relating to the mission research
- Guidance in possible STEM careers



### Program Benefits:

- Opportunity to interact with NASA scientists and engineers
- Gain skills towards industry-based certification
- Eligible for 1/2 science elective credit (HAS Online Course)
- Eligible for 1/2 science elective credit (Moonshot)
- Eligible for Senior Mentor opportunity

### Certified Texas Educators

Compensated to serve as technical reviewers, design challenge facilitators, game moderators, and counselors. For more information, email [jsc-has@mail.nasa.gov](mailto:jsc-has@mail.nasa.gov).

### Who is eligible?

In order to qualify, students must be:

- A U.S. Citizen
- A Texas resident
- Enrolled as a junior in a Texas high school
- Interested in science, technology, engineering, or mathematics
- Able to access the internet (from home, school, or a public library)
- Committed to completing online course to qualify for Moonshot



**What is the timeline?** Visit [nasa.gov/has](https://nasa.gov/has) for exact dates.



**JUL-SEP**

Online course:  
Onboarding followed by four missions with design challenges.



**JUNE**

On-site summer experience at NASA's Johnson Space Center. Lodging and transportation are provided at no cost to participants.

Online student application open.

**OCT-MAR**



Moonshot, a virtual experience, takes place over one week.

**JULY**







For more information,  
please visit our website at:

**[www.nasa.gov/has](http://www.nasa.gov/has)**

Or contact us at

**[jsc-has@mail.nasa.gov](mailto:jsc-has@mail.nasa.gov)**

