



TEXAS  
Aerospace Scholars

# High School Aerospace Scholars

[www.aerospacescholars.jsc.nasa.gov](http://www.aerospacescholars.jsc.nasa.gov)

National Aeronautics and  
Space Administration

For more information, please  
visit our website at

<http://aerospacescholars.jsc.nasa.gov>

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

<http://education.jsc.nasa.gov>



Educational Program

Students

High School  
Junior

EP-2009-08-001-JSC

### **What is High School Aerospace Scholars?**

High School Aerospace Scholars is an interactive, online learning experience highlighted by a six-day residential summer experience at NASA Johnson Space Center (JSC). Selected students explore math, science, engineering and computer science concepts with engineers and scientists at JSC. This program is sponsored by NASA and funded by the State of Texas, Houston Livestock Show and Rodeo™, and Rotary NASA, **at no cost to participants.**

### **Who can attend?**

Students from across Texas compete to take part in the program and will be chosen by their state legislators. Participants must be:

- U.S. citizens
- Texas residents
- High school junior
- Interested in math, science, engineering or technology
- Able to access the Internet (home, school, or public library)
- Committed to completing online lessons prior to participating in a six-day residential summer experience

### **What will the students do?**

Web-based activities during the school year:

- Space exploration studies in space shuttle, space station, lunar, and Mars exploration
- Links to virtual reality models, interactive tutorials, videos, and 3-D graphics
- E-mails and online conversations with NASA engineers/scientists

Six-day residential summer experience at JSC:

- Engineer, scientist, and astronaut briefings
- Tours of JSC facilities
- Team projects directed by NASA engineers/scientist
- Hands-on engineering activities

### **What is the timeline?**

#### **August**

Online student applications available.

#### **December**

Students are selected for distance learning assignments.

#### **January**

Students engage in distance learning assignments to learn more about space exploration, and interact online with JSC engineers and scientists.

#### **June-August**

Six-day residential summer experience at JSC. Lodging, meals and transportation to/from JSC is provided at no cost.

#### **Mentoring**

Students are mentored by NASA engineers, scientists and college interns. These mentors become acquainted with their student teams via e-mail and online discussions, and facilitate student research for planning a human mission to Mars. Mentors also offer guidance in possible science, technology, engineering and mathematics career fields.

#### **Counselors**

Certified Texas teachers serve as counselors during the summer. Selected teachers receive lodging, meals and transportation. Counselors also help guide the students' learning experience. Applications are available online.

### **How do I obtain more information or an application?**

Visit Texas Aerospace Scholars at:

Web site:

<http://aerospacescholars.jsc.nasa.gov>

E-mail: [jsc-aeroscho@mail.nasa.gov](mailto:jsc-aeroscho@mail.nasa.gov)

Phone: 281-483-4112





# High School Aerospace Scholars NASA Johnson Space Center

## *Help Recruit Students for HAS*

NASA is looking for Texas high school juniors interested in math, science, engineering, or computer science

## *What is HAS?*

An interactive, online learning experience where high school juniors complete Web-based lessons during the school year and travel to NASA for a six-day summer experience

## **Student Benefits**

- All-expense paid trip to NASA for workshop
- Earn a science elective credit towards graduation
- Discover career opportunities at NASA

**Students Apply Online Now!**

**<http://aerospacescholars.jsc.nasa.gov/HAS>**

**Deadline to apply is November 13, 2009**

