National Aeronautics and Space Administration

# Johnson Space Center Student Educational Opportunities

**Lyndon B. Johnson Space Center (JSC)** in Houston, Texas, strives to improve science, technology, engineering and math (STEM) education while increasing interest and awareness in technical and administrative careers.

JSC's Education Office offers various types of student educational opportunities throughout the year, including on-site programs, research programs, and digital learning programs for students from kindergarten through the university level.

For a comprehensive list, visit: **http://www.nasa.gov/centers/johnson/education/**

## Samples of our student educational opportunities:

### Digital Learning Network (DLN): Grades K-12

The DLN offers interactive learning experiences through videoconferencing technology to students and educators of all ages. These interactive events are tied to curriculums that introduce participants to science, technology, engineering and math subjects aided and inspired by NASA.

### Reduced Gravity Student Flight Opportunities Program: University Students

The Reduced Gravity Program provides a unique academic experience for undergraduate students to successfully propose, design, fabricate, fly and evaluate a reduced gravity experiment of their choice over the course of six months. The overall experience includes scientific research, hands-on, experimental design, test operations and educational/public outreach activities.

### High School Aerospace Scholars (HAS): Grade 11

Funded by the Texas Legislature, HAS is an interactive online learning experience highlighted by a week-long program at JSC, where students interact with engineers and astronauts, and complete hands-on engineering activities related to Mars exploration. Selected students are encouraged to study and have an interest in math, science, engineering and computer science.

### Graduate Student Research Program (GSRP): Graduate Students

GSRP awards fellowships for graduate study leading to masters or doctoral degrees in the fields of science, mathematics and engineering related to NASA research and development. GSRP provides participants with an opportunity to broaden their background knowledge by working on a project of interest to the student, their faculty advisor and a JSC advisor.

### NASA Learning Technologies (NLT): Grades K-16

The Learning Technologies lab provides free NASA-themed educational software. The lab's innovations include math and science imagery tools such as MathTrax and Earth+ that help teach both visually-impaired and sighted students alike, a 3-D robotics design workshop named ROVer Ranch, and a computer program named NASA Qwhiz that tests students' knowledge of space trivia.

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