



# SPACE FOUNDATION EDUCATION PROGRAMS



*The Space Foundation's education programs support teachers and PreK-12 students using standards-based curriculum that integrates science, technology, engineering, and math (STEM) into all content areas. Investing in teachers significantly increases student achievement and increases the opportunity for success in all areas. Teachers play the most critical role in our commitment to inspire, enable, and propel humanity.*



## EDUCATOR PROGRAMS

### Space Discovery Institute

- Five separate week-long, intensive graduate-level in-resident courses
- Courses include Earth Systems Science, Biological and Physical Research, Rocketry and the Biology of Living in Space, Astronomy Principles for the Classroom, and Space Technologies in the Classroom
- Core content includes a total immersion program that contains weightlessness training, rocketry, programmable robot building, and more
- Possible tours include local military and aerospace contractor facilities along with field work in Colorado's expansive outdoors (Garden of the Gods and Pikes Peak)

### Teacher Liaison Program



- Nationally recognized as space and science education advocates
- Teachers serve as an active link between their school/district, NASA, and the Space Foundation
- Variety of privileges, activities, and specialized training at Space Foundation and NASA workshops, including cutting-edge space science materials

### Teaching With Space™ In-Services and Workshops

- Professional development courses to help teachers bring the power of space into their classrooms
- Participants can earn professional development hours for licensure and credentialing
- Tailored to the needs, goals, and curriculum of each school/district



## WORKFORCE DEVELOPMENT

### Space Career Fair

- Annual event attended by 300 – 500 transitioning military and college students nationwide
- Opportunity to participate in "Meet the Company" presentations, visit with corporate representatives, submit resumes, and interview for positions
- Conducted in conjunction with the National Space Symposium
- [www.SpaceCareerFair.org](http://www.SpaceCareerFair.org)



## STUDENT PROGRAMS

### STARS Program (Science, Technology, and Academic Readiness for Space)

- Science enrichment program that is custom-designed for the individual school's academic needs for student success in science education
- Program topic examples include rocketry principles, designing and launching rockets, astronomy principles, earth systems science, and principles of flight
- Designed to enhance conceptual understanding of science, technology, engineering, and math (STEM)
- Hands-on, minds-on activities that explore the scientific method and include project-based experimentation

### Space in the Classroom

- Conducted in cities across the nation
- Military and aerospace professionals serve as guest speakers to inspire students
- Customized to each school/district

### Xplore Space

- Conducted in cities across the nation
- Creates an opportunity for teachers and students to visit and experience the space community in their area
- Provides teachers with techniques to use space as a powerful education tool
- Designed to enhance conceptual understanding of science, technology, engineering, and math (STEM)



## RESOURCES

### National Science Standards Lesson Bank

- A free downloadable comprehensive bank of PreK-12 national science standards-based lessons
- Each lesson includes national science standards, key words, objectives, other subject areas taught, timelines, background, materials, lesson format, extensions, evaluation/assessment, and resources

### Online Science Labs

- Students learn through video lessons and virtual science labs about real-life science concepts
- Dozens of hands-on lessons are provided for classroom extensions and each is aligned with national science standards
- Teachers can establish class rosters and track student progress through the various lessons

### Educator Resource Center

- The Space Foundation Headquarters is the onsite location for the Educator Resource Center for Colorado's Front Range

**FOR MORE INFORMATION**

visit [www.SpaceFoundation.org](http://www.SpaceFoundation.org)

or call 1.800.691.4000 or 719.576.8000

