



# High School Students—



NASA's Scientists and Engineers Can Help You to **DISCOVER**

**AMAZING ADVENTURES** in

**SCIENCE  
TECHNOLOGY  
ENGINEERING  
MATHEMATICS**

at the **NASA Glenn Research Center**

## EXPLORING

2 hours · once a week · after school · October to April



### Computer Tech

- Create computer animations
- Develop interactive Web applications
- Design computer-controlled circuits
- Construct and program Lego robots  
...and much more!



### Aeronautics

- Build, test, and fly a model rocket
- Experiment with a small turbojet engine
- Design and test aircraft wings in a wind tunnel
- Explore aerospace careers  
...and much more!



### Balloon Sat Tech

- Participate in a near-space science mission
- Design and build science experiments to be launched up to 19 miles up
- Get hands-on experience in constructing hardware, circuits, and payload enclosures  
...and much more!



### eXtreme Green

- Investigate and discover alternative energy solutions
- Gain an introduction to biology, chemistry, and the environmental sciences
- Contribute to real research
- Acquire and analyze data from various ecosystems  
...and much more!



### Human Space Flight

- Build and program a robot
- Explore power systems and experiment with fuel cells
- Design a futuristic space mission
- Explore navigation and orienteering
- Tour research facilities  
...and much more!

For more information or to apply, visit [http://www.nasa.gov/centers/glenn/education/NASAEplorers\\_GRC.html](http://www.nasa.gov/centers/glenn/education/NASAEplorers_GRC.html)

Application deadline—September 5, 2012

## SHADOWING

One to five days · December to May

EXPLORE CAREERS and view NASA Glenn facilities with a scientist, engineer, technician, or administrative professional. For more information or to apply, visit

[http://www.nasa.gov/centers/glenn/education/ShadowingProgram\\_GRC.html](http://www.nasa.gov/centers/glenn/education/ShadowingProgram_GRC.html)

