
Fellowship Programs

Information

We offer an opportunity for students to participate in our Barboza Space Center Fellowship Programs. Students are trained to become junior **astronauts, engineers** and **scientists**. They work in student “**Tiger Teams**,” each consisting of ten students and one teacher. Tiger Teams are multi-disciplinary problem solvers tackling simulated problems that could be encountered at NASA, Boeing, SpaceX and other aerospace companies.

Fellowships

For their project-based learning students are provided with astronaut toolkits, custom software, simulated science and engineering projects, books and STEAM++ resources that support “**The Occupy Mars Learning Adventures**.” We are designing solutions for Mars exploration and colonization in the 2030’s and beyond. Students explore artificial intelligence, robotics, and new algorithms that will play an important role in living on Mars.

Our programs are designed for high school students. Younger gifted and talented students may also apply. Differentiation will be provided for students with exceptional needs.

How to apply

Students need to provide one **letter** of introduction and a **resume**. **Teachers, parents, or guardians** need to provide a letter of support. Send your information to suprschool@aol.com.



Kids Talk Radio Science

Project-Based Learning

Students in K-12 have an opportunity to publish their work to our worldwide science and engineering news networks. We welcome student audio and video podcasts, as well as text articles.

Our STEAM ++ (science, technology, engineering, visual and performing arts, computer languages and foreign languages) backpack journalism program is designed for students who need to work with us from a distance. We publish in over twenty countries.

**Barboza Space Center
Kids Talk Radio Science**
1857 Josie Ave.

Long Beach, CA 90815

(562) 221-1780

suprschool@aol.com

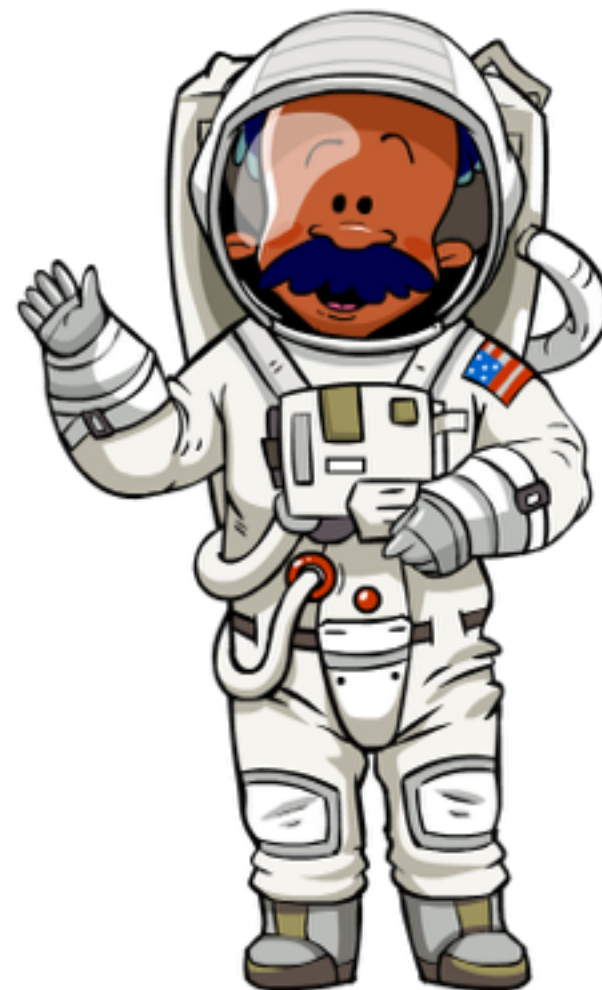
www.BarbozaSpaceCenter.com

www.KidsTalkRadioLA.com

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The Barboza Space Center

Fellowship Programs



Occupy Mars Projects



Junior Astronauts

Our students are learning about what it takes to become an astronaut and to provide services that could support astronauts. Students are involved in :

- * Using tools for space science
- * Using mathematics and computational thinking
- * Training with flight simulators
- * Using and repairing computers
- * Repairing robots
- * Building fine and gross motor skills
- * Reading and applying technical information
- * Writing observational reports
- * Using astronaut training software
- * Maintaining an astronaut's electronic portfolio
- * Learning how to contribute to a Tiger Team

Junior Engineers

These students design, build and repair robots, vehicles, and habitats for the Occupy Mars Learning Adventures. Student engineering Tiger Teams:

- * Design Robots
- * Design Satellites
- * Design Martian Habitats
- * Use mathematics and computational thinking
- * Construct explanations & designing solutions
- * Develop and use science lab prototypes
- * Use computer and engineering software
- * Problem solve with Tiger Team members
- * Design, build and test Mars science laboratories.
- * Explore algorithms & artificial intelligence

Junior Scientists

Students conduct science experiments here on Earth that can be conducted on Mars. Our student and teacher tools help to:

- * Plan and carry out investigations
- * Analyze and interpret data
- * Develop and use models
- * Apply mathematics and computational thinking
- * Construct explanations & design solutions
- * Engage in argument from evidence
- * Ask and answer questions
- * Obtain, evaluate and communicate information

Barboza Space Center Internship Programs

We are now accepting letters of intent for our Barboza Space Center Internship Programs. Interns are needed to build robots, satellites, science experiments, and to assist with space mathematics, computer programming and designing projects. Letters of intent should include name, age, grade, parent or guardian contact information, areas of interest, and reasons for applying for a fellowship or internship. Applications and interviews will follow. All questions should be emailed to suprschool@aol.com.

Contact Information:

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