

Learn from
astronauts
and other
experts!

3 Days to
Explore &
Discover!

Science
Technology
Engineering
Art
Math



For students
in 9th-12th
grade

August
22nd-24th
2016

Go For Launch!

San Diego Program
Presented by Division
Sponsor:



Go For Launch!

WHAT IS IT?

A 3-day program, running 8am-4pm each day, that uses Space Exploration as a platform to launch student involvement in:

- STEAM (Science, Technology, Engineering, Art & Math)
- Teamwork
- Communication
- Leadership

WHAT CAN I EXPECT?

Learn about human spaceflight directly from experts in the fields of space & STEM including:

- An Astronaut and Astronaut Instructor
- International Space Station Flight Controller
- Scientists and Engineers

Get personalized insight and feedback from experienced space and STEM professionals whose goals are to illustrate the numerous possibilities that exist in the world of STEM.

Work with a real live astronaut for two or three full days.

ARE THERE HANDS ON ACTIVITIES?

Student teams will work together on **collaborative activities** before or after nearly every talk to earn daily awards. Each team will work together over the three days to define and design their own **space experiment** & present their ideas to a panel of judges from the Space & STEM fields. The judges will choose a winner from each *Go For Launch!* event. The experiment will go on to compete against other projects from the same division and the winning experiment **will be launched into space!**

WHY SHOULD I ATTEND?

Go For Launch! is a unique and memorable experience. Space inspires! The *Go For Launch!* experience gives students experience and skills that can lead to success in any venture that requires imagination, leadership, teamwork, and problem solving skills.

HOW CAN I LEARN MORE?

Higher Orbits is looking forward to bringing *Go For Launch!* to San Diego! For further details, visit www.GoForLaunch.Space, email GoForLaunch@HigherOrbits.org or call 707.893.STAR.

Meet the Team



Don Thomas, became an astronaut in July 1991. He was CAPCOM (spacecraft communicator) for three Shuttle missions. From July 1999 to June 2000 he was Director of Operations for NASA at the Gagarin Cosmonaut Training Center in Russia. A veteran of four space flights, he has logged over 1,040 hours in space as a Mission Specialist.



Michelle Lucas worked at NASA in International Space Station (ISS) Flight Control Operations Planning and as an Astronaut Instructor. Her passion for inspiring students led to extensive work in STEM outreach. She decided to form Higher Orbits to continue to work to inspire students about the wonders of STEM through spaceflight.



Francis French is an author from Manchester, England, specializing in space flight history. He is a director at the San Diego Air & Space Museum. French's space history writing is full of personal interviews with astronauts and cosmonauts. He is also an inductee of the astronaut branch of the Ancient Order of the Turtles.



Sarah Stuck is the onsite keeper for Nurtured by Nature, assisting with animal husbandry, socialization of animals and participating in the interactive programs. Sarah has also participated in birth watches for the African elephants and gorillas. At Project Wildlife care center, she helps care for sick, injured and orphaned wildlife.



Shalene Baxter is the Education Specialist for the San Diego Air & Space Museum. While working at the Museum, Shalene had the opportunity to experience a Zero-G weightless flight and has met numerous astronauts including Neil Armstrong, Buzz Aldrin, and Gene Cernan all of which she will never forget.

"I have never seen something like *Go For Launch!* anywhere in the world. Offering students the opportunity to compete for a place on the International Space Station is unheard of...a truly unbeatable way to incorporate "STEAM" education into the lives of our students."

-Katie Kubitskey; Educator & Founder of My World Travel



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higherorbits.org](mailto:GoForLaunch@higherorbits.org)

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