

Learn from
astronauts
and other
experts!

Design and
Propose an
Exomedicine
experiment



Science
Technology
Engineering
Art
Math

Winning
experiment
will be built
& conducted
aboard the
International
Space
Station



Go For Launch!

July 25th
thru
July 28th, 2017

For Students
Entering
8th–10th grade



Go For Launch!

WHAT IS IT?

A 4-day residential program 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 an astronaut for all four days!

ARE THERE HANDS ON ACTIVITIES?

Student teams will work together on **collaborative activities** before or after talks to earn daily awards. Each team will work together over the four day experience to define and design an exomedicine experiment concept. Each team will prepare a presentation and propose their experiment concept to a panel of judges from Space and STEM fields. The judges will chose a winning concept that will, ultimately, be designed and built. The experiment will be launched on a rocket and delivered to the International Space Station. Ultimately, the experiment will be conducted aboard the International Space Station and results will be available to the winning group.

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. This program provides a college-like experience with academic and residential components. There will be many networking opportunities to launch your future career.

HOW CAN I LEARN MORE?

Higher Orbits is looking forward to bringing *Go For Launch!* to Morehead! For further details, visit www.GoForLaunch.Space, email GoForLaunch@HigherOrbits.org or call 707.893.STAR. For more information contact the Craft Academy at 606-783-2093 or craftacademy@moreheadstate.edu.

Meet the Team



[Michelle Lucas](#) worked at NASA in International Space Station (ISS) Flight Control Operations Planning and as an Astronaut Instructor. Michelle was part of the Core NEEMO team for nine missions. Her passion for inspiring students led her to form Higher Orbits to continue to work to inspire students about the wonders of STEM through spaceflight.



[Astronaut Don Thomas](#) is a veteran of four space flights, he has logged over 1,040 hours in space as a Mission Specialist. He was involved with the concept of Exomedicine before that was even a term used on his SpaceLab and Microgravity Science Lab flights.



[Dr. Benjamin K Malphrus](#) is Professor of Space Science at Morehead State University where he also directs the University's Space Science Center. Recently, Dr. Malphrus has been involved in promoting, capitalizing, designing and constructing a state-of-the-art research, development, and education center for the space science program.



[Twyman Clements](#) serves as the President and CEO of Space Tango. Twyman.jpg Gentry.jpg Twyman is the engineering genius behind many of Kentucky Space's Satellites and ISS equipment. Today, he has applied the same skill and knowledge to the development of Tango-Lab1 and CubeLab companions.



[Gentry Barnett](#) is the TangoLab Program Manager for Space Tango. In this role, Barnett designs and manages custom research payloads for the Space Tango's facilities aboard the International Space Station. With the aspiration of expanding advancements in the field of medicine past the boundaries of Earth, she additionally researches and develops various Exomedicine experiments for evaluation within the TangoLab facility.

[More Team Members & additional information on the team available on the Event Website!](#)

“What if the next big breakthrough in medicine is literally not on the planet earth?”

–Kris Kim, Exomedicine Institute



To Find Out
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and Register
visit:

www.GoForLaunch.space
or email [GoForLaunch@](mailto:GoForLaunch@higherorbits.org)
higherorbits.org

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