



# Higher Orbits

OCTOBER  
7-8, 2023

8AM-6PM EACH DAY

STUDENTS MUST ATTEND THE  
FULL DAY EACH DAY OF THE EVENT



LEARN FROM ASTRONAUTS  
AND OTHERS

COMPETE TO HAVE YOUR IDEAS  
LAUNCHED INTO SPACE

EXPLORE AND DISCOVER



# GO FOR LAUNCH!

STUDENTS IN GRADES 8-12  
FROM EVERYWHERE WELCOME!

- TEAMWORK
- COMMUNICATION
- TECHNOLOGY
- LEADERSHIP
- MATH
- SCIENCE
- ENGINEERING

# TMA

TMA 1651 WILKENING ROAD ~ SCHAUMBURG, IL 60173

INCLUDES LUNCH, SNACKS, DRINKS, SUPPLIES, T-SHIRT, EVENT MISSION PATCH, SPACE SWAG BAG AND MORE!



VISIT [WWW.HIGHERORBITS.ORG](http://WWW.HIGHERORBITS.ORG) FOR INFORMATION AND TO REGISTER

#GOFORLAUNCH

@HIGHERORBITS

GOFORLAUNCH @HIGHERORBITS.ORG



## 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 each day of the event.

## WHAT IS IT?

A program that uses Space Exploration as a platform to launch student involvement in:

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



## 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 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.



## THE TEAM

### DONALD THOMAS, PH.D. THE ASTRONAUT



Selected by NASA in January 1990, Dr. Thomas became an astronaut in July 1991. Dr. Thomas has served in the Safety, Operations Development, and Payloads Branches of the Astronaut Office. He was CAPCOM (spacecraft communicator) for Shuttle missions STS-47, 52 and 53. From July 1999 to June 2000 he was Director of Operations for NASA at the Gagarin Cosmonaut Training Center in Star City, Russia. A veteran of four space flights, STS-65, STS-70, STS-83 and STS-94, he has logged over 1,040 hours in space as a Mission Specialist. [ohioastronaut.com](http://ohioastronaut.com)



### MICHELLE LUCAS FOUNDER & CEO HIGHER ORBITS

Michelle spent 10 years working at NASA primarily in International Space Station (ISS) Flight Control Operations Planning and as an Astronaut Instructor in the Daily Operations Group. Her passion for inspiring students led to extensive work with other organizations in STEM outreach. She then decided to form Higher Orbits to continue to work to inspire students about the wonders of STEM through spaceflight.

OTHERS TO BE ANNOUNCED!

CHECK WEBSITE FOR MORE INFORMATION!

[WWW.HIGHERORBITS.ORG](http://WWW.HIGHERORBITS.ORG)



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