

 Higher Orbits

HIGHERORBITS.ORG

# Go For Launch!

#GOFORLAUNCH

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# NORWICH

NOVEMBER 2-3, 2024

PLUMLEY ARMORY, NORWICH UNIVERSITY  
158 HARMON DRIVE, NORTHFIELD, VT 05663

8AM-6PM EACH DAY

STUDENTS IN GRADES 8-12  
FROM EVERYWHERE  
WELCOME. STUDENTS  
MUST ATTEND THE FULL  
DAY EACH DAY OF THE EVENT

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



REGISTRATION FEE \$20



LEARN FROM ASTRONAUTS  
AND OTHERS

COMPETE TO HAVE  
YOUR IDEAS  
LAUNCHED INTO SPACE

EXPLORE AND DISCOVER

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



# Go For Launch! THE TEAM



## GREGORY H. JOHNSON

Greg H. Johnson a decorated fighter pilot, test pilot and Astronaut, flew as the Pilot of STS-123 (delivering the first part of the Japanese module Kibo to the International Space Station) and STS-134 (the final flight of Endeavour) and has completed nearly 500 orbits of Earth. Former President and Executive Director of the Center for Advancement of Science in Space, Johnson is very familiar with science aboard the International Space Station. He is a huge advocate of STEM for students and is excited to be part of the **Go For Launch!** team.



## KAREN GAINES, PH.D.

Dr. Karen Gaines is the Provost and Dean of the Faculty at Norwich University. She is internationally recognized for her expertise on the fate and transport of toxicants in extreme environments for both environmental and human risk assessment.



## DR. HUW READ

Charles A. Dana Professor of Cybersecurity and Digital Forensics at Norwich University and the director for the Centre for Cybersecurity and Forensics Education and Research (CyFER).



## 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.

# AND MORE! SEE THE WEBSITE FOR FULL TEAM

### 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.



CHECK WEBSITE FOR MORE INFORMATION!



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WWW.HIGHERORBITS.ORG