GO SOMEWHERE DIFFERENT THIS SUMMER.

The World's First Robotics Competition in Space

ZERO ROBOTICS
ISS PROGRAMING CHALLENGE

Zero Robotics is a computer programing competition for middle school students. Learn to code satellites and compete against other teams virtually this summer.

All you need to participate is a team, a computer with Internet access, and a desire to learn more about STEM!

Participants who complete this year's summer program will be guaranteed a slot in summer 2022, where the student-developed code will run on the International Space Station!

SIGN UP TODAY!

zerorobotics.mit.edu

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zerorobotics@mit.edu

ZERO ROBOTICS IS BROUGHT TO YOU BY THE GENEROUS SUPPORT FROM OUR SPONSORS:

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ISS NATIONAL LABORATORY CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE

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AEROSPACE

ZERO ROBOTICS
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2021 Zero Robotics Program Dates:
July 12 – July 30, 2021

Free Teacher and Mentor Training
Part One: June 22, 2021, 9 a.m. to 12 p.m. PT
12 p.m. to 3 p.m. ET

Part Two: June 24, 2021, 9 a.m. to 12 p.m. PT
12 p.m. to 3 p.m. ET

Informational Webinar:
May 26, 2021, 3 p.m. to 4 p.m. PT Register Here

COMPETITION INFORMATION

This special 2021 Zero Robotics virtual program is designed to cultivate interest in STEM through online lessons and activities. The three-week program will be guided by teachers and college STEM mentors who receive FREE training and support from Zero Robotics.

This competition will be virtual with in-person flexibility based on teacher and location availability. Participants will create program codes and test them in team simulations up until competition day where they will run their code against other teams. Participants will:

- Brainstorm strategies
- Apply math and physics
- Write computer programs
- Observe results in simulation
- Compete in online competitions

FOR STUDENTS AND YOUTH PARTICIPANTS

To participate in the program, you must be a middle school student with a passion for STEM.

ZR seeks students enrolled in a school or summer program who are excited to participate in a competition that challenges them with:

- Leadership
- Teamwork
- Computer programing
- Strategy
- Robotics and aerospace

Middle school students from groups traditionally underrepresented in STEM careers are encouraged to apply.

FOR EDUCATORS

Interested in teaching with ZR but don't know how to teach coding? Don't worry! ZR offers a free curriculum, free training, and ongoing live technical support all summer.

Teachers will attend a training course and lead the team throughout the three-week program. Teachers will provide space for team meetings, dedicated time to advising, and ensure sufficient programing support for the team.

FOR MENTORS

The team mentors will provide assistance in teaching, programing support, and competition preparation. The mentors should have experience with, and an understanding of, programing. Mentors will attend training and assist the team as they complete the three-week program.

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