

Application Instructions

To apply, please complete the following application. Narrative responses should be no more than two typed pages. Applications may be submitted via e-mail to helen.reed@tamu.edu. Applications submitted by e-mail will receive a confirmation from Texas A&M University.

COMPLETED APPLICATIONS MUST BE RECEIVED BY Friday, April 13, 2018.

Applications and any attachment must be submitted via:

E-mail: helen.reed@tamu.edu with "Zero Robotics Application" in the subject line
Fax: 979.845.6051
Mail: Zero Robotics
Attn: Dr. Helen Reed
3141 TAMU
College Station, TX 77843-3141

Eligibility

Any public or private school or community-based organization that serves middle school youth is eligible to apply. Programs must serve a team of 8-20 youth for a minimum of 15 hours per week for 5 weeks.

Priority consideration will be given to programs that serve under-represented or under-served populations. Each program must have computers (desktops or laptops, not tablets) and internet access.

Important Dates

Application Deadline: Friday, April 13, 2018

Team Selection Notification: Wednesday, April 18, 2018

Training, Round 1 at Texas A&M University: Saturday, June 9, 2018

Training, Round 2 webinar at your location: Friday, June 15, 2018

Zero Robotics Middle School Summer Program: July 9 – August 10, 2018

Final ISS Competition at Johnson Space Center or Texas A&M University: 1 day during August 8 – 17, 2018 (tentative based on International Space Station [ISS] schedule, to be announced closer to date)

For more information visit astrocenter.tamu.edu/zerorobotics or contact:

Dr. Helen Reed
Texas Zero Robotics Director
Aerospace Engineering Faculty
helen.reed@tamu.edu

Daniel Mullen
Texas Zero Robotics Lead Student Mentor
Graduate Student, Aerospace Engineering
danielmullen40@tamu.edu

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Office Use Only

Date Received

PART I: Organizational Information

Organization Information and Community Demographics

ORGANIZATION NAME		
ADDRESS	CITY	ZIP
PHONE	FAX	WEBSITE

Please place an 'X' alongside all that apply

<input type="checkbox"/>	School/School district
<input type="checkbox"/>	21 st Century Community Learning Center
<input type="checkbox"/>	Community-Based Organization
<input type="checkbox"/>	Faith-Based Organization
<input type="checkbox"/>	Other (please describe)

Organization Social Media Accounts

TWITTER	
FACEBOOK	
INSTAGRAM	
OTHER	

Find out more about the Zero Robotics program by searching #ZeroRobotics or #CodeForSpace

Organization and Team Leader Contact Information

NAME OF EXECUTIVE DIRECTOR AND/OR PRINCIPAL	
TITLE	
PHONE	
EMAIL	

NAME OF PROJECT COORDINATOR (if different)	
TITLE	
PHONE	
EMAIL	

TEAM LEADER/PRIMARY MENTOR (If known at this time)	
TITLE	
PHONE	
EMAIL	

Community Information

Please indicate the percentage of students in your current program or school.

- Gender: Female: _____% Male: _____%
- Low-Income (receiving free or reduced lunch and/or contracts/vouchers/subsidies): _____%
- Children or youth with diagnosed disabilities: _____%
- English Language Learners: _____%

- Racial/Ethnic Demographics:

PERCENTAGE	Race/Ethnicity
%	American Indian or Alaska Native
%	Asian
%	Black or African American
%	Hispanic or Latino
%	Native Hawaiian or Pacific Islander
%	White or Caucasian
%	Other

- Please identify from the above demographics the students that you will specifically target for 2017 participation in Zero Robotics and how you will outreach to them:

PART II: Narrative

Please respond to the following questions briefly and concisely (no more than 2 typed pages).

Provide a Brief Description of Your Program and Partners

- Does your organization/school currently offer a STEM course and/or curriculum during the summer?
- If yes, please describe your STEM offerings, any online or printed STEM curricula you have used (i.e. NASA K-12 online curriculum, FIRST, PLTW, EiE/EA), any other robotics programs you have been involved with, and explain how the Zero Robotics Project will complement your summer learning program.
- If no, please explain how and why you would like to add a STEM component to your summer program through Zero Robotics.
- Describe any particular experience with computer programming or teaching STEM summer curricula that your staff members or volunteers may have.
- Describe how you imagine the Zero Robotics program fitting in with your overall summer program. Would this be part of a larger program that operating costs are already being covered in or a singular program?
- Strong partnerships are essential to a successful Zero Robotics program. Discuss which agencies, organizations, schools, or other service providers you plan to collaborate with on this project. If you have a commitment from these partners, have they agreed to provide volunteers, financial support, or another form of support? If you have not yet engaged partners, please explain why and/or your plan to do so.
- Has your school or organization participated in any programs with Texas A&M Engineering before? If yes, explain what program and when.

PART III: Required Commitment

By signing below, you confirm that your program agrees to project commitments:

_____ agrees to the following:

Organization/School name

My program will serve 8-20 youth for 5 weeks of the summer for a minimum of 15 hours per week (including field trips).

- My program agrees to target underserved and underrepresented youth for this program.
- My program has enough computers for youth to access, utilize, and learn on over the summer.
- My program will identify and hire a Zero Robotics Team Leader (also known as your teacher or primary mentor leading students through the Zero Robotics curriculum) who will commit to attend educator training sessions (at Texas A&M University and via webinar at their own location), coordinate the Zero Robotics program, and serve as the main program site contact.
- My program will coordinate transportation to a local industry field trip in the second week of the program.
- My program agrees to coordinate transportation and authorization/permission forms for youth and families to attend the Final ISS Competition in the middle of August.
- My program will communicate regularly with the state coordinators and student mentors at Texas A&M University as well as the national Zero Robotics team.
- The educators, mentors and volunteers agree to provide written feedback on curriculum design and ease of use to the Zero Robotics team.
- My program agrees to have students and educators complete all pre-/post-evaluations in a timely manner.
- My program will share our summer story with local news outlets.
- Our program will engage families throughout the five-week program.
- Our staff agrees to have fun and learn alongside our students!

Authorized Signature: _____ Date: _____

Printed Name: _____ Title: _____

Organization Name: _____

Email Address: _____ Phone Number: _____