FYRE STEM ROBOTICS PROGRAM

FREE 8-WEEK STEM ROBOTICS CLASSES. SPACE IS LIMITED. ACCEPTED STUDENTS MAY BECOME ELIGIBLE TO PARTICIPATE IN A NUCLEAR SCIENCE STEM CLASS IN SUMMER 2023. APPLY NOW! SEE DETAILS BELOW.

PROGRAM DESCRIPTION: FYRE will provide FREE STEM robotics classes once a week on Monday evenings from 7:30pm-8:30pm at the Redeemer Church's Student Resource Center located at 12404 Boyette Rd, Riverview, FL. Class space is limited. FYRE will hold a competition for the class slots and will announce student winners. Classes will begin on April 2nd and go through May 21st. FYRE will provide all materials necessary. Students will learn about: 1) Raspberry Pi programming, 2) Python language scripting, 3) microelectronics, 4) electric motors and actuators, 5) bread board configuration, and 6) robotics. The first week will be introductions and team formation followed by six weeks of classes. The last week will be a robotics competition. All classes will be recorded on Facebook live and YouTube to help students who cannot attend each week. Families will need to sign a hold-harmless agreement and permission to be recorded. An adult 18 or older must accompany the student and be present in the class each week. The STEM classes will be taught by a nuclear engineer with a graduate certificate in robotics from MIT. The target of this class is for boys and girls ages 8-13 and special consideration will be granted to students from underrepresented communities. Applications will be accepted through March 17, 2023. A panel will select the first round of students and notify parents of students on March 19, 2023. There are 18 total student slots which will form 6 teams of 3 students each. Six slots are for ages 8-10 years old and 6 slots for ages 11-13 years old. Scouts from Scouts BSA Troops 482(Boy) and Troop 483(Girl) will make up the remaining 6 slots. Those interested in joining Scouting can continue on and complete the BSA Robotics Merit Badge following the eight-week STEM class and become eligible to participate in a FREE BSA Nuclear Science Merit Badge being taught at a local university in late summer 2023.

DEADLINE TO APPLY: 17 MARCH 2023.

ELIGIBILITY: Boys and girls between the ages of 8 and 13 years old.

HOW TO APPLY: Complete the form. You can scan completed (signed/dated) form and email it to info@TheFYRE.org or mail it to 13194 US Hwy 301 S Suite 320, Riverview, FL 33578.

HOW YOU WILL BE NOTIFIED: Parents of the accepted students will be emailed.

For more information see https://www.fyrefoundation.org/science-technology-engineering-art-and-mathematics-steam/ or call FYRE's offices at 813-360-1414.

STUDENT STEM ROBOTICS APPLICATION

CANDIDATE STUDENT INFORMATION

(Competing for the classes 12 slots)

Student's full name:	
Student's age:	
Student's gender:	
Student's address:	
Student's mobile number (for SMS ref class if necessary):	
What is the student's unweighted GPA?	
Is the student currently in the foster care system?	
Does the student have a learning disability? If so, please describe.	
Is the student physically or mentally handicapped? If so, please describe.	
Parent/guardian's full name:	
Parent/guardian's address (if different from student's address):	
Parent/guardian's phone number:	
Does the parent/guardian give FYRE permission to send the parent and student's mobile number an SMS message?	
Parent/guardian's email address:	
Is the student a member of a minority community or underrepresented community? If so which one?	
Do the parent/guardians receive public assistance, entitlements, or disability benefits?	
Is the student anticipated to be able to attend all 8 week classes? If not, which weeks are anticipated to be missed between April 2nd and May 21st?	
Will the parents/guardians sign a hold-harmless agreement to FYRE for the STEM class?	
Will the parents/guardians sign a public release statement for the student allowing them to be recorded during the class?	
Is the student currently or previously enrolled in a Boy Scouts of America program?	

_____ _____ _____

Parent/Guardian Printed Name Parent/Guardian Signature Date

STUDENT ESSAY

In the space below and in the student's own words, write at least one paragraph but no more than one page why he/she is interested in science, technology, engineering, or mathematics (STEM). Describe any extracurricular activities in which the student participates. Describe what they want to do in the future. Describe any challenges they are attempting to overcome. Student may also type and attach a statement. A panel of judges will rank all essays with 1-5 points with 5 points being the best. The essay will be part of the selection criteria to attend the classes.