



Robotics Team Application Form



Basic Information:

Name: _____

Grade: _____

Are you a full time student (enrolled in 5+ courses this year)?

No Yes

Other extra-curricular involvements (if any):

paste a picture of yourself here:

Career Goals (if known):

Are you considering a career in STEM (Science Technology Engineering Math)?

No Yes specify: _____

Are you applying this year for a post-secondary program in STEM?

No Yes

Experience:

Do you have programming experience?

No Yes language(s): _____

beginner, novice, or expert?

Have you been on a robotics team or built a robot?

No Yes specify: _____

Academics: Average grade achieved in previous academic year (applications NOT ranked by grades):

Teacher Endorsement:

Teacher's Name: _____

initials x _____

Applicant Contract

Please read the following two pages carefully before signing

Expectations of All Team Members:

- MINIMUM individual fundraising of \$30 to participate
- Regular attendance at least 3 days per week (daily in December) after school to 5:30pm
- Attend the competition on Sunday January 12. *(additional costs including food and transportation)*
- contribute to a positive, inclusive and supportive team environment
- take ownership and responsibility for tasks*, team goals, and deadlines.
- prioritize academic success. Inform mentors and teammates early if deadlines are problematic or if tasks need to be delegated to others in order to get the job done on-time
- understand that a substantial time commitment is required from September to January.
This includes some weekends.
- maintain a fulltime academic commitment to Forest Hill CI with passing grades in all subjects.
- act as role models and strong representatives of the Forest Hill CI community throughout the year, and particularly when competing at the FTC competition

* see reverse for a more thorough list of some of the tasks required for this team

I have read and I understand the expectations of FHCI's robotics team members. I agree to follow these expectations to the best of my abilities. I am willing to contribute a substantial amount of my time to this team. I understand that failure to meet any of these expectations may result in my removal from the team.

Applicant's signature x _____

I have read and understand the expectations of FHCI's robotics team members. I support my child's participation on this team and I understand that a substantial time commitment is required.

Parent / Guardian's signature x _____

FOR PARENTS:

It takes a community to form a sustainable team. I will be reaching out for volunteers to assist in a variety of ways, eg. fundraising leadership, seeking sponsorship, transportation, time / expertise

What We Do in Robotics

Key Tasks	Details
(A) Promotions	<ul style="list-style-type: none"> • Create sponsor and community outreach resources • Design a sponsor benefits scheme • Maintain relationships with sponsors • Run fundraising initiatives • Maintain social media with regular updates and information for team members and a public page for others to follow our progress. • make team uniforms, buttons, banners, and spirit gear for competition
(B) Design	<ul style="list-style-type: none"> • create and present several rough visual robot models based on collaborative discussions with the team regarding strategy • Use software to create a detailed, specific robot design to scale based on collaboratively approved team strategy • Modify the design as needed
(C) Resource management <i>(the budget will be controlled entirely by the team mentors. All purchases must go through them)</i>	<ul style="list-style-type: none"> • Create and maintain a spreadsheet of the team budget. • Determine the most economical options to build our robot considering cost of materials, and cost of tools • Keep a detailed bill of materials • Source and price robot components as needed • Communicate with our mentor team and community supports to access resources as needed • Maintain an tools and inventory • Communicate with, manage, and expand our connection with community experts.
(D) Programming	<ul style="list-style-type: none"> • Code the robot for autonomous mode and teleoperation • Test and refine proگرامing with design and fabrication teams • Operate the robot during competition
(E) Fabrication	<ul style="list-style-type: none"> • Learn how to operate all tools and machinery safely • Build a functional robot • Communicate any and all challenges immediately to the team • Request all needed resources immediately • Act as a pit crew during competition
(F) Drive Team	<ul style="list-style-type: none"> • Learn to operate the robot and practice extensively • 3 team members will be at the controls during competition • Devise and implement game strategy during competition • Communicate effectively with alliance members during competition
(G) Scouting	<ul style="list-style-type: none"> • Design detailed team scouting sheets / software • Gather data and information about other robots at competition • Compile, interpret and plan using scouting information