Sponsorship Packet

FIRST Robotics Team #3952, The DesTROYers

2014-2015

Des*troy*ers Robotics
Team 3952 – Troy High School

Thank you for your interest in our team! We appreciate the time you have taken to learn more about us.

The Troy High School Des*troy*ers Robotics Teams' goal is to promote STEM (Science, Technology, Math, and Engineering) education in a hands-on manner. By provoking student's interests in these fields, our program prepares young minds to work and thrive in our increasingly technological world and global economy. Annually, our team competes in the FIRST (**F**or **I**nspiration and **R**ecognition of **S**cience and **T**echnology) Robotics Competition, in which the members build a fully functional robot that performs an assigned task, all in the span of six weeks.

The process of building and designing the robot is a challenging yet rewarding exercise that allows our members to find a use for the theory that they have learned in school. Members learn technological skills through participating in either the mechanical or electrical construction of the robot or the programming of the software that will control the robot. Members can also participate in several other projects throughout the year, such as the t-shirt cannon robot that we are currently building for our school's ASB. Through these projects, the members not only learn engineering skills, but they also develop fundamental life skills, such as communication and time management, which will serve them later in life.

Our program does not only impact our team members, as we are also active in our community. Endeavoring to inspire the younger generation to pursue engineering and other STEM fields, the team holds workshops for elementary and middle school students. During these presentations, our members introduce younger students to STEM through hands-on activities, ranging from building a rubber band car to constructing a robot with the Lego Mindstorms kit. Additionally, the team helps students form teams for First Lego League (FLL), a robotics competition for younger students that makes use of Lego Mindstorm robots. Throughout the year, the team mentors FLL teams- providing training, advice, guidance and encouragement on a regular basis. We form strong bonds with our mentees and in doing so, hope to increase the number of people interested in FIRST events and promote the appreciation of STEM education throughout our community.

However, in order for our team to be successful, we need support from the community on several different levels. The most effective way to support our team is through financial sponsorship. Monetary support allows us to purchase necessary materials and tools to construct the robot. In-kind support through product discounts and donations also are of great help. We also need mentors with experience and knowledge in engineering and mechanical design, which would help us greatly in building our robot. In exchange for continued support, we offer advertising for our sponsors (more info below). Any support offered will be greatly appreciated and help enrich our program, better ensuring that students have opportunities to experience science and technology fields.

Please do not hesitate to contact us. Thank you for your time and interest. We look forward to hearing from you!

Sincerely,

Nida Mirza- Treasurer
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714-686-7611

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What we represent:

Team 3952 was established in 2012 as a club in Troy High School. The team holds the name of The DesTROYers to communicate the team's impressive school spirit as well as members' willingness to "desTROY" the obstacles they meet both in not only academics and engineering, but also in life.

In the 2011-12 school year, Team 3952 was first established as a response to the cancellation of Troy's robotics class. Due to a renewed interest in robotics, the class itself has been reestablished. However, Team 3952 remains independent from the curriculum as a student run organization. As a club at a technology magnet school, Team 3952 endeavors to provide students with hands-on experience of the concepts they learned in their technology classes, be it business, computer science, media, or design technology.

Today, the team consists of around fifty students and five mentors. Members are students of Troy High School. Mentors include faculty at Troy, alumni, and other volunteers. This year, we hope to continue and expand our efforts at promoting STEM education in our community and compete in multiple competitions.

Through the program, students are able to:

- Apply principles learned in school to the design and build of robots for competitions
- Learn and use CAD and other engineering software
- Develop problem solving and collaborative skills
- Program robots for both autonomous and human operated modes
- Volunteer in their community
- Network with industry and engineering firms and companies

Team Organization:

- 50 members including design, build, program and business teams
- 3 teachers
- 2 mentors

Team Impact:

- 97% Alumni pursuing a STEM major
- Community outreach programs including library workshops, programming classes, FTC team mentorship
- Participation in school events including rallies, visitation days, 8th grade orientation, Troy Tech mentor breakfast

Destroyers Robotics
Team 3952 – Troy High School

Budget:

Our team requires funding, about $15,000, to maintain operations. The registration fee for FRC alone costs $5,000 per event, and we wish to attend multiple. The rest of the budget is used on hardware parts and tools for our robot, our side projects, and community programs. Without funding, our club will have to cease operations in both our high school and the community, resulting in the loss of an important source of STEM education. It would be a great loss to the students of Troy High School and to the community that we impact.

Below is a basic budget breakdown, assuming a budget of $15,000

Registration (2)	$10,000
FRC Robot	$1,500
Travel Fees	$300
Tools	$600
Workshop Fees	$100
Mindstorms Kits (For Mentoring FLL Teams)	$1,000
Other Projects	$1,500

As seen above, the team hopes to have a total budget of $15,000. This goal will be difficult to reach, but we hope that we will be able to achieve it, with your support. Donations of any amount are welcome. In the past, we have received donations of up to $5000.

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Possible in-kind donations:

Item name	Quantity	Single Item Cost	Total Cost
Mindstorms Kits	2	$500	$1000
T-shirt Printing	50	$10	$500
Robot Materials (Sheet metal, c-channels, motors, gears, chains, wire, wood, etc.)	1 (This category has vague guidelines because of the different materials that the team needs vary from project to project and the specific materials that we need and the quantity will be determined during the construction of our robot.)	TBD	TBD
Field Pieces (Environment for testing Robot)	1 (This category is also vague because the prompt is not released until January)	TBD	TBD

For in-kind donations, we wish to set up a meeting either in person or over the telephone during which our team and your company could discuss exactly what products from your company would benefit our team.

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Sponsor Benefits:

To those who have kindly supported the team, see below for sponsorship benefits. Please note that the benefits are tiered (i.e. a business who donates $500 will receive the $100 and $250 tier rewards as well.) We will wear our t-shirts to all community service events and to the competition. The competition has an annual attendance rate of about 10,000 people. Additionally, many employees from large engineering companies also attend the FRC competition.

$10-99:

Business name on webpage
Team picture

$100-$249:

Business name on team brochures

$250-$499:

Business name on team t-shirts

$500-$999

Business logo on webpage
Business logo on t-shirts
Business name on banner during competition
Team t-shirt

$1000-$2499

Business name on robot

$2499-$4999

Large business logo on t-shirts
Business logo on robot
Business logo on banner during competition

$5000+

Large business logo on robot
Large business logo on banner during competition
Company name in team name (i.e. NASA and Troy High School)

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Donation Form:

The purpose of this form is to get the correct company information which will be put on our brochures, t-shirts, etc. If your company is willing to donate, please send this form through email to troyfrc@gmail.com along with your company logo. Checks should be made out to Troy High School and should say Troy High Robotics Club in the memo section.

Company name: _____

Company website: _____

Contact email: _____

Contact phone number: _____

T-shirt size: _____

Amount donated: $_____

Thank you for your support!