

## **Stuyvesant Robotics**

Stuyvesant High School  
345 Chambers Street  
New York, NY 10282  
212 312 4800 ext. 4500  
[www.stuypulse.com](http://www.stuypulse.com)



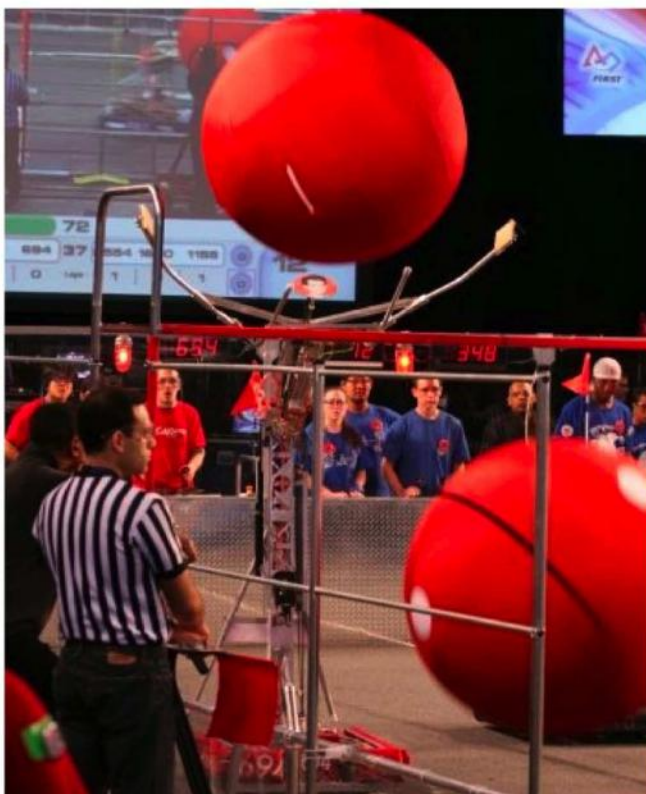
# STUYVESANT ROBOTICS



🤖 We are Stuyvesant High School's award winning FIRST Robotics team. FIRST (For Inspiration and Recognition of Science and Technology) is an international, non-profit organization which promotes the spread of science and technology. We partner with local businesses, educational institutions and volunteer mentors to cultivate skills in teamwork, strategic thinking, and community outreach.



🤖 A FIRST team spends thousands of dollars on registration fees, a basic kit of parts, additional building materials, robot transportation, administrative expenses, and more.



🤖 In addition to funds we seek mentors who are specialists or hobbyists in engineering design, machine operation, programming, and marketing, who are willing to work with highly motivated students from NYC's most highly rated science high school!

**We invite you to be part of this amazing, educational endeavor!**

Stuyvesant High School Robotics Team  
(212) 312 4800 Ext. 4500  
345 Chambers Street, Room 450  
New York, NY, 10282

[www.stuypulse.com](http://www.stuypulse.com)  
[info@stuypulse.com](mailto:info@stuypulse.com)

February 18, 2014

Dear Potential Sponsor:

We are Stuyvesant High School's award-winning F.I.R.S.T. Robotics Team. F.I.R.S.T. (For Inspiration and Recognition of Science and Technology) is a multi-national, non-profit organization that promotes science and technology education; it partners with local businesses, educational institutions and volunteer mentors to cultivate teamwork, strategic thinking, and community outreach skills in its participants.

F.I.R.S.T. introduces annual game challenges, giving teams participating in its Robotics Competition division six weeks, and those in its Tech Challenge division six months to design, build, and program robots to compete at any over ninety regional events and one international Championship Event, which we have qualified for every year since 2010.

Stuyvesant is one of the most selective public high school in the United States, with admission granted via competitive examination to less than 5% of applicants. The F.I.R.S.T. Robotics program meshes seamlessly with the school's educational focus on science, math, and technology. Our team remains one of the largest organization at Stuyvesant with over one hundred members. Of course, almost one-third are females, and over two-thirds of the team members are immigrants or first generation Americans. The impact of this program can be seen in many of our alumni who continue to pursue higher STEM education at prestigious universities, and careers at tech corporations.

Though Stuyvesant is a school of bright and motivated students, it is subject to the very same funding constraints that affect all public schools in New York. Students and parents work hard to raise needed revenue by selling everything from books to baked goods, but that is still not enough.

We would like to invite you to become a corporate sponsor of our team; a list of sponsor benefits is enclosed. Please help us by aligning your cooperation with our aspiration. Aside from monetary sponsorship, other forms of donation such as mentorship and purchase of equipments are also welcomed. We look forward to hearing from you.

Thank you for your time.

Sincerely,

Ameya Majmudar,  
Stuyvesant H.S. '14  
President of Engineering

Abdullah Fahad,  
Stuyvesant H.S. '14  
President of Software Engineering

Sungwoo Park,  
Stuyvesant H.S. '15  
President of Marketing





# Stuyvesant Robotics

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2012 - 2013 Season

*Eric Lam, President of Software Engineering*

*Joanna Zhu, President of Engineering*

*Doris Tsang, President of Marketing*

*[info@stuypulse.com](mailto:info@stuypulse.com)*

## Benefits of Sponsorship

Gift Amount	Title	Benefits
Highest Overall Contributor	Platinum	<ul style="list-style-type: none"> <li>All benefits of Gold plus</li> <li>Contributor chooses robot name</li> </ul>
\$10000+	Gold	<ul style="list-style-type: none"> <li>All benefits of Silver plus</li> <li>Contributor logo placed at top of team banner</li> <li>Contributor receives plaque of appreciation</li> </ul>
\$5000-\$9999	Silver	<ul style="list-style-type: none"> <li>All benefits of Bronze plus</li> <li>Contributor listed in enlarged font on T-shirts</li> <li>Contributor logo and link placed below team website navigation bar on every page</li> <li>Contributor name read by competition MC when robot is introduced for each match</li> </ul>
\$2000-\$4999	Bronze	<ul style="list-style-type: none"> <li>All benefits of Aluminum plus</li> <li>Contributor decal placed on robot</li> <li>Contributor displayed on team banner</li> <li>Contributor listed in competition program</li> <li>Contributor receives signed team photograph</li> </ul>
\$500-\$1999	Aluminum	<ul style="list-style-type: none"> <li>All benefits of Sheet Metal plus</li> <li>Contributor listed on team T-shirts</li> <li>Contributor receives certificate of appreciation</li> </ul>
\$100-\$499	Sheet Metal	<ul style="list-style-type: none"> <li>All benefits of Nuts and Bolts plus</li> <li>Contributor's website linked on sponsor page of teams' website</li> <li>Contributor listed on robot and shipping crate</li> <li>Contributor receives letter of invitation to visit robotics lab during build season</li> </ul>
\$50-\$99	Nuts and Bolts	<ul style="list-style-type: none"> <li>Contributor listed in team's annual magazine</li> <li>Contributor receives letter of appreciation</li> <li>Contributor receives letter of invitation to regional competition</li> </ul>

To donate, please make a check out to **Stuyvesant High School with Robotics Team** in the memo line, and mail it to the following address:

### Stuyvesant High School

Attn: Mr. Rafael Colón, Technology Dept.  
345 chambers Street, Room 450  
New York, NY 10282

All contributions are 100% allocated towards the project expenses of the team, including materials, tools, shipping, and tournament fees. Please inquire about tax deductible donations.



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*2013 - 2014 Season*

*Ameya Majumdar, President of Engineering  
Sungwoo Park, President of Marketing  
Abdullah Fahad, President of Software Engineering  
[info@stuypulse.com](mailto:info@stuypulse.com)*

February 18th, 2014

To Whom It May Concern:

It has been my privilege to serve as the primary faculty advisor for the Stuyvesant High School Robotics Team for the past ten years. Under my leadership, the team has grown from a small group of a dozen students to over one hundred dedicated future engineers and entrepreneurs (almost one-third female) responsible for all engineering and marketing aspects of running the team.

We are a close-knit family of students, mentors, alumni and volunteer parents, bound together by a passion to create an environment where everyone has a role to play, whether it is building the actual robot or providing the necessary back-up support.

I have witnessed time and again the transformation of the lives of students who join the team early in their high school careers as shy individuals, unsure of how they fit into a team effort, and knowing nothing about power tools or the basic principles of physics. Three short years later, these same students are the ones taking leadership roles, speaking with authority on the subject of robotics and encouraging the newest members of the team to grasp the excitement of seeing our team grow and improve.

Each year I see an increasing number of team members choosing to pursue undergraduate and graduate studies in engineering, computer science, mathematics, physics and business at some of the top level schools in the country.

It is my hope and desire that you will assure that our program continues for the students of the future.

Thank you.

Rafael Colón  
Faculty Advisor  
Stuyvesant High School Robotics Team



# StuyPulse Fact Sheet

- **Team 694** is entering its 14th season!
- **Team 694** is amazingly diverse. Over half of the team are immigrants or are children of first-generation immigrants. Almost one third of the team is female.
- **Team 694** is developing a robotics outreach program to underprivileged schools and has helped start and mentor six other FRC teams, two FTC teams, and two FLL teams.
- **Team 694** holds an annual Stuy Splash at NYU Poly, which is attended by over 15 teams. The Stuy Splash is a conference where series of lectures related to FIRST robotics program is offered. Topics range from strategy, team management, to control theory.
- **Team 694** has participated in robotics events at the Winter Garden of the World Financial Center, the Jacob Javits Center, City Hall, Queens Hall of Science, Liberty Science Center, Tribeca Film Festival, Grand Central Station, Chelsea Piers, Credit Suisse, D. E. Shaw, the Museum of Natural History, the New York State Fair, the World Science Fair, and World Maker Faire.
- **Team 694** is featured in Rockport Publishing's FIRST Robots: Behind the Design for winning the Xerox Creativity Award and was the subject of a recent six-part World Street Journal documentary.
- **Team 694** alumni return to the team to volunteer and mentor new members.
- **Team 694**'s graduating members have entered prestigious colleges. In past three years alone, the team members were granted admission to the top colleges such as MIT, Yale, Brown, UPenn, Cornell, and Cooper Union.
- **Team 694** has been featured on countless print and digital media including the Popular Mechanics, the Popular Science, the Wall Street Journal, the New York Times, the NY Daily News, NY1 News, ABC News, local radio station 1010 WINS, Chinese and Japanese Newspaper, and Russian television.





# Awards

2013 NY Regional Winner  
2013 FIRST Dean's List Finalist Award  
2012 CT Chairman's Award  
2012 CT Website Award  
2012 NY Woodie Flowers Award  
2011 CT Chairman's Award  
2011 Excellence in Design Award Sponsored by Autodesk  
2011 FIRST Dean's List Finalist Award  
2010 CT Chairman's Award  
2010 NYC Regional Winner  
2010 Rockwell Automation Innovation in Control Award  
2010 FIRST Dean's List Finalist Award  
2009 CT Entrepreneurship Award  
2009 CT Regional Semi-Finalist  
2009 Web Excellence Award  
2008 Engineering Inspiration Award  
2008 NJ Regional Semi-Finalist  
2008 NYC Regional Semi-Finalist  
2008 Web Excellence Award  
2007 NYC Regional Finalist  
2007 Underwriters Laboratory Industrial Safety Award  
2007 NJ Judges Award  
2006 NYC Regional Finalist  
2006 Xerox Creativity Award  
2006 Website Award  
2005 NYC Chairman's Award  
2005 Woodie Flowers Award  
2005 Radio Shack Innovation in Control Award  
2004 Entrepreneurship Award  
2003 NYC Regional Winner  
2002 Engineering Inspiration Award  
2001 NYC Regional Finalist