



Panthrobotics

FIRST® Team 3337

JUDGES PACKET

MISSION STATEMENT :

FIRST Team 3337, Panthrobotics, is creating a passion for science technology, engineering, mathematics, and the arts in our community through service projects, demonstrations, and annual FIRST® Robotics competitions.

CORE VALUES :

Family:

Our team is more than a collection of students, mentors, teachers, and parents. We are a family. We believe in each other, watch out for each other, and expect each other to succeed. A Panthrobot accepts, respects, loves and most importantly enjoys each other's company.

Excellence:

Every build, every competition, every event, every award; we do each task to our utmost. A Panthrobot is motivated, passionate, and hard-working; never settling for second best.

Outreach:

The only way to change a community is to be part of it. Our community is not just our school, our city, or our state. It is every place that our voice, our hands, and our hearts can reach. A Panthrobot consistently looks for ways to interact with our community – both with our excitement about robotics as well as our passion for service.

Fun:

We believe that we are our most successful when we are having fun doing what we do. Whether it be cheering at competitions, playing laser-tag during our end of the year party, racing robots with elementary school teachers, or simply enjoying each others company - we want to bring as much excitement and joy to our lives and to the lives of others as we can.



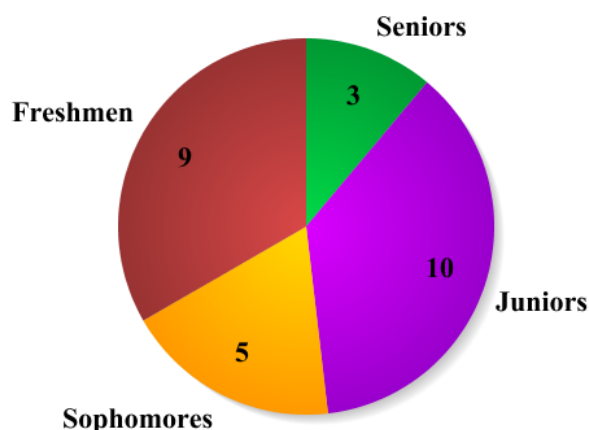
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STUDENT REPORT (2013–2014)

VETERANS: 13

ROOKIES: 14



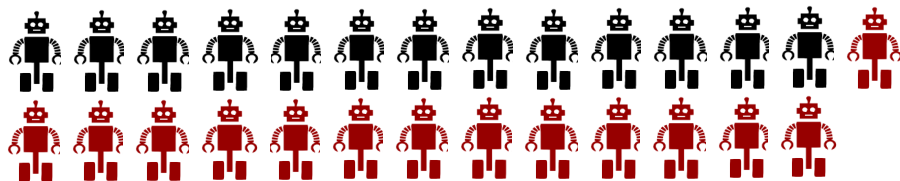
DIVERSITY



Female



Male



5 Ethnicities

50% Minority

1 Family

3337 VS WHS

100% Graduation Rate 69%

26.3 ACT Scores 18.2

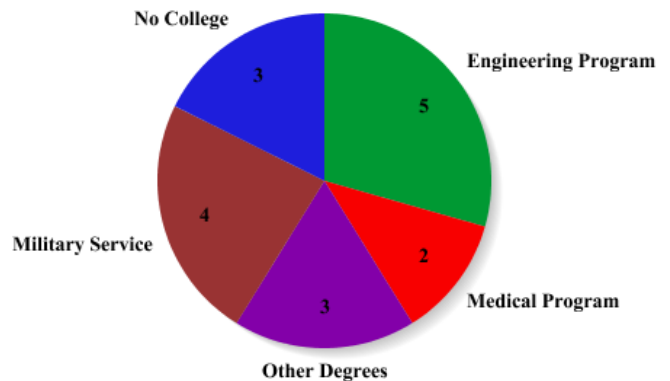
96% AP Participation 4%



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ALUMNI REPORT (2013–2014)

**TOTAL 17
ALUMNI**



**Minority Enrollment
in STEM Degrees**

**Greater than 3.5
GPA in STEM Programs**

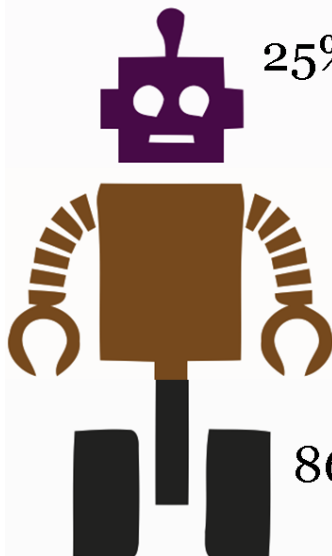
**STEM Students
received scholarships**

100%

**Women enrolled in College
or Military Service**

**Believe that *FIRST* had an
impact on their career choice**

**Engineering Students
continue working with *FIRST***



**25% INTERNED WITH
COMPANIES**

*With ExxonMobil, Introlox,
and Excel.*

**66% PURSUED STEM
CAREERS**

*In Engineering, Biology, and
the Navy's Electronics and
Nuclear Engineering Program*

**86% VOLUNTEERED WITH
FIRST**

*Mentoring FRC, FLL, and FTC teams and
volunteering at outreach events.*



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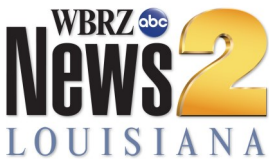
Media Report (2010–2014)

Broadcast Media:



February 17th, 2011 - 5:00 News
March 22nd, 2011 - 10:00 News
January 5th, 2012 - 9 News this Morning
August 27th, 2013 - Morning News (Live on Location at WHS)
August 31st, 2013 - 10:00 News

Est. Viewers: 309,000*



March 15th, 2013 - Evening News
April 14th, 2013 - Evening News
April 15th, 2013 - Morning News
April 15th, 2013 - Evening News

Est. Viewers: 84,329*



March 15, 2011

Est. Viewers: 20,900*

Print Media:



February 18, 2011 (Section: People)
March 25, 2011 (Section: People)
February 24, 2012 (Section: People)
August 20th, 2013

Est. Readers: 400,000*



March 22nd, 2011 (Online Version)

Est. Readers: 100,000*

Southeast
Community News

February, 2010

Est. Readers: 10,000*



Fourth Quarter, 2013

Est. Readers: 4,000*



Spring, Summer 2012

Est. Readers: 10,000*



2012

Est. Readers: 55,000*

* Viewer and reader numbers are a reflection of data gathered from email and phone communication with employees of each agency or web-site data. As opposed to being estimated on the greater side, numbers are underinflated as viewership does not account for repeat broadcasts (in the case of WAFB) and non-circulation based readership (in the case of The Advocate). In cases where viewership is unknown, 10,000 individuals are counted as total viewership.



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Social Networking Report (2010—2014)

Facebook:



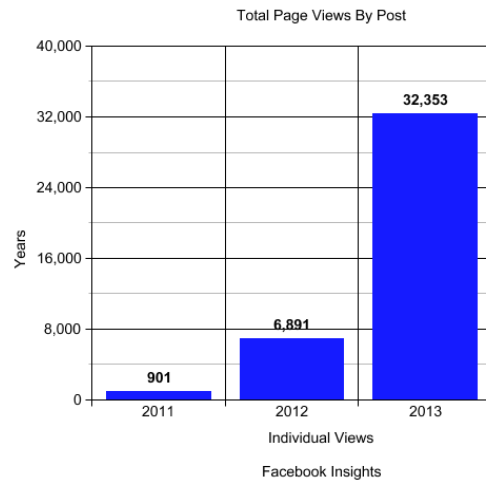
<http://www.facebook.com/panthrobotics>

Total Fans: 343

Total Engagement: 16,033

(Represented by the number of users who click, comment, or otherwise engage with a particular post)

Total Page Views: 40,015



Twitter:



<http://www.twitter.com/frc3337>

Total Fans: 390

Instagram:



http://instagram.com/frc_panthrobotics_3337

Total Fans: 131

INITIATIVE PROFILES



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GOVERNMENT OUTREACH

INITIATIVE

Engaging government and educational leaders across our school, city, and state communities.

Through our G.O.I. we have:

Requested our governor to declare a Robotics Education Day in **2012, 2013, and 2014.**

Helped found Robotics classes in **3** High Schools and **5** Middle Schools in **2013** and **1** High School in **2014**

Worked with the Foundation for EBR to raise over **600k** for STEM Education.

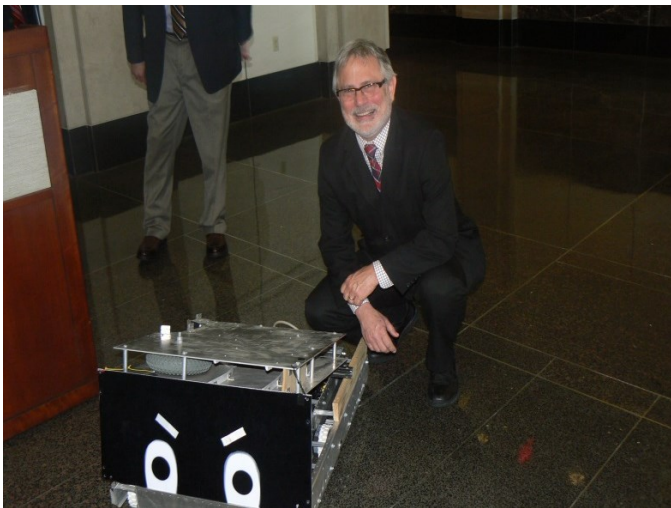
Presented to the State Board of Education, local board officials, the Mayor of Baton Rouge, and many other officials about the benefits of all of the *FIRST* Programs.



Members presenting at the Louisiana Science Teacher Convention.



Discussing *FIRST* Robotics with the State Superintendent, John White.



At the monthly meeting of the Louisiana Board of Elementary and Secondary Education we were able to explain *FIRST* to top Ed. Officials in our state.



One of our students explaining the vision of *FIRST* to Baton Rouge Mayor, Kip Holden.



Our Build Captain explains the Build Season process to School Board Representative, Jill Dison.



A snapshot at the Louisiana Engineering Society Banquet with Mike Strain, AG Commissioner of LA.

BUSINESS OUTREACH

INITIATIVE

Inspiring the business community, trade organizations, and our sponsors.

Through our B.O.I. we have:

Presented *FIRST* programs to hundreds of businesses at 2 LTC events, 2 ISA events, and 1 LES event.

Partnered with 24 sponsors; 67% as multi-annual partners, and with a 68% avg. growth each year.

Hosted open houses, presented plaques and Frisbees, attended grand openings, refurbished buildings, completed job-shadows, and held first-time mentor experience days.

Collaborated with our local *FIRST* organization, BLaST, to raise funds for the Bayou Regional.



Presenting to multiple businesses at the International Society of Automators' Annual Shrimp Boil.



Our Pit Setup at the Louisiana Technology Council's "Robotics Revelry" Gala where dozens of businesses gathered to celebrate robotics.



We partnered with Andy Baker and Paul Copioli to help Red Jacket Firearms design a robot.



Bryan from ITT has attended the Bayou Regional, hosted our Kickoff events, and often been at our build site.



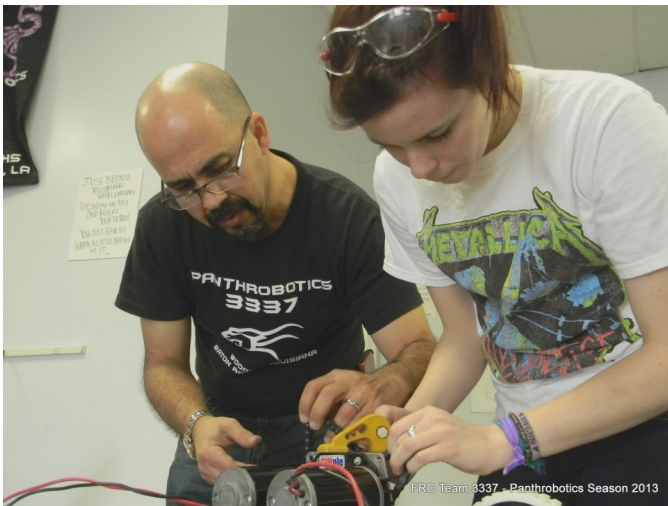
Sponsor recognition, like giving t-shirts to JCPenney's Manager, is an important part of our B.O.I.



Eric from Red Jacket Firearms teaches our team how to use TIG and MIG welding techniques.



One of the LSU STEP Program Mentors work with two of our students. Our Partnership has helped their program grow from 2 mentors to 25.



Hugo Salom, a partner mentor from Willbros, helps one of our students learn about chaining.



Witni discusses the benefits of *FIRST* Robotics with one of the LTCs Governor's Technology Award Participants.



Our students learn about Communication Engineering from a technician at EMCO Technologies.



At our Build Site Open House, sponsors, potential sponsors, teachers from our school, and many others get the opportunity to see what we've been building.



Students join JcPenney employees, government officials, and the media to celebrate the Mall of Louisiana's JcPenney Store Grand Reopening.

COMMUNITY OUTREACH

INITIATIVE

Exciting our school, engaging the children, and changing the culture of our community.

Through our C.O.I. we have:

Excited over 2000 students through our elementary school Panthrobotics Impact Tour.

Recruited new members through open-house and lunch demonstrations, billboards, and eighth grade day booths.

Inspired curiosity in over 1,000,000 people through television, print, and online media.

Demonstrated the importance of STEAM to our community at Mall Demonstrations, at the Baton Rouge Fest-for-All, at Wal-Mart, and other community demonstrations.

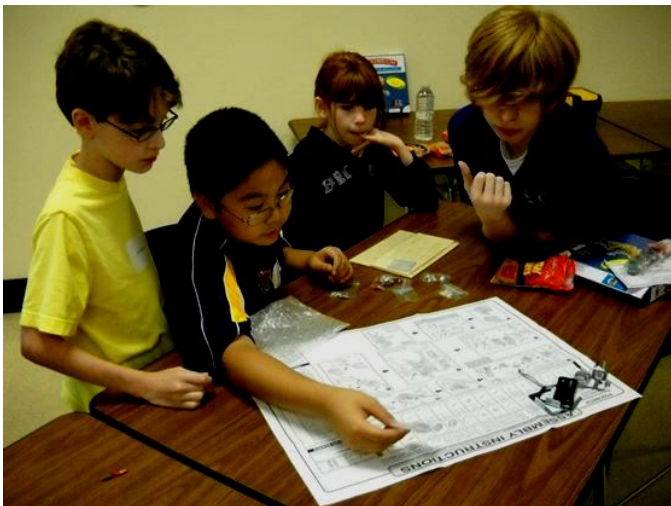
Volunteered in our community for Autism Awareness, and with Video-Game drives for Children's Hospitals.



At our second annual Panthrobotics Impact Tour, elementary school students were able to drive our robot and get a certificate.



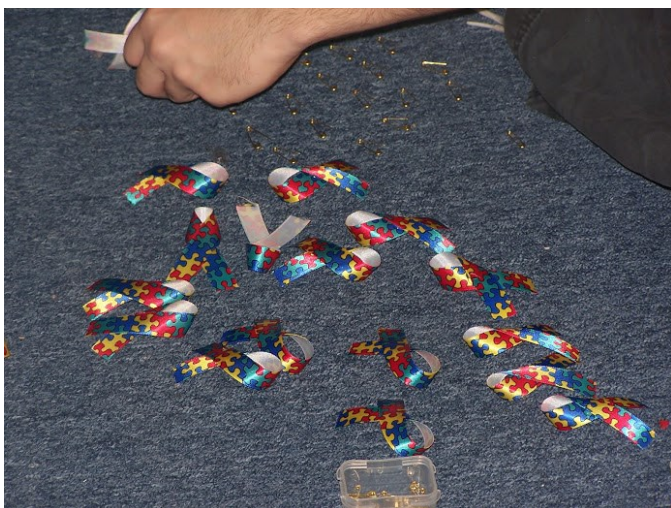
Each year we participate in the East Baton Rouge Parish EBR Mania at the Mall of Cortana. Hundreds of people have the opportunity to hear about *FIRST*.



At Live! Learn! Louisiana!, a weekend camp offered at LSU, students had the opportunity to assemble their own robot with the help of our members.



Students from 6 different schools had the opportunity to show their knowledge of STEM during our third annual Impact Tour.



We were excited to hand out hand-made Autism Ribbons at the Bayou Regional in 2012.



An image from our very first outreach as a Rookie Team at the Highland Road Observatory.



We collected over 300 games and consoles for OLOL's Children's Hospital at our First Annual Video -Game Uproar in 2013.



Our first Impact Tour only included one school but every single student had the chance to drive our robot.



At our eighth grade day events, students from middle schools all across Baton Rouge learn why they should attend Woodlawn and become a Panthrobot.



Our JCPenney Demonstration at the Mall of Louisiana put us in the middle of the largest and busiest mall in Louisiana.



We have been on television multiple times to tell our community about *FIRST*. Over 1 million people have seen us through our media presence.



Our Car Smash fundraiser attracted a whole new audience at Woodlawn's Football game and allowed us to teach safety and tell others about *FIRST*.

PANTHROBOTICS INSPIRE INITIATIVE

Growing FIRST through innovative programs, gracious professionalism, and a passion for worldwide change.

Through our P.I.I. we have:

Assisted 21 FRC Teams in recruiting and training new members through the Red Stick Rumble off-season event.

Inspired the growth of new FLL programs by hosting a Qualifier event and volunteering at the State Competition.

Founded and mentored 4 FRC Teams, assisted 7 FLL Teams, and partnered with 5 FRC teams in outreach events.

Excited FLL young student leaders through our Panthrobotics Ambassador Program.

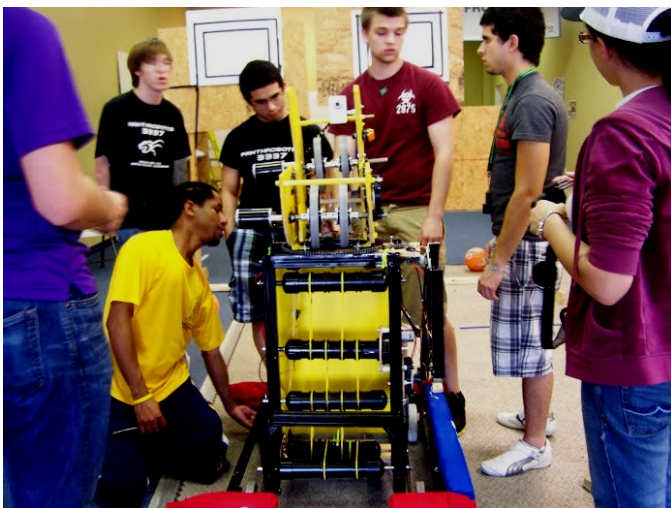
Recruited college mentors for the LSU STEP program.



At our FLL Qualifier, we took time to excite teams about the next level in *FIRST* by demonstrating our 2013 robot, Black Sheep.



Team Members work quickly to setup the FRC field for Louisiana's first Off-Season Event, The Red Stick Rumble.



Mentoring FRC Teams is an important part of our P.I.I. Here, we are working with 4209, TigerBytes, on their 2012 Robot, Pacman.



Will has been one of our Ambassadors since he was in the fourth grade. In this photo, he is learning how to use a mini-lathe. Amazing work for a 6th grader.



Witni was just one of the many members that volunteered as referees, queuers, judges, and official photographers at the La State FLL Competition.



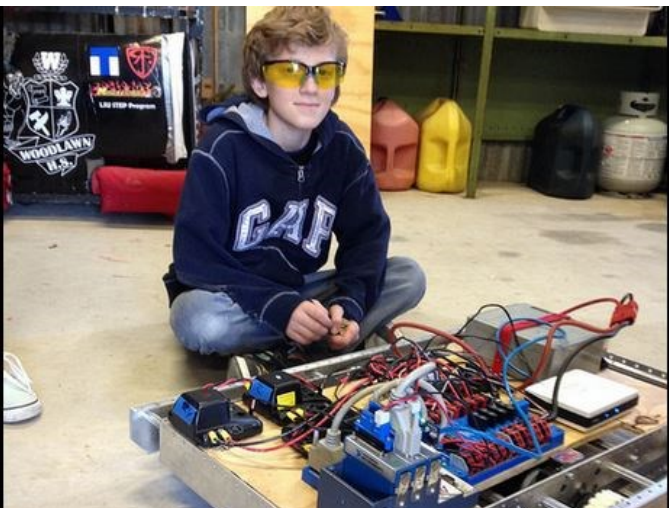
The FLL Qualifier at our school allowed the FLL program to grow throughout the area.



Even once the field was setup and ready to go, our team's involvement in the RSR didn't stop. Members acted as refs, the field reset crew, and in other roles.



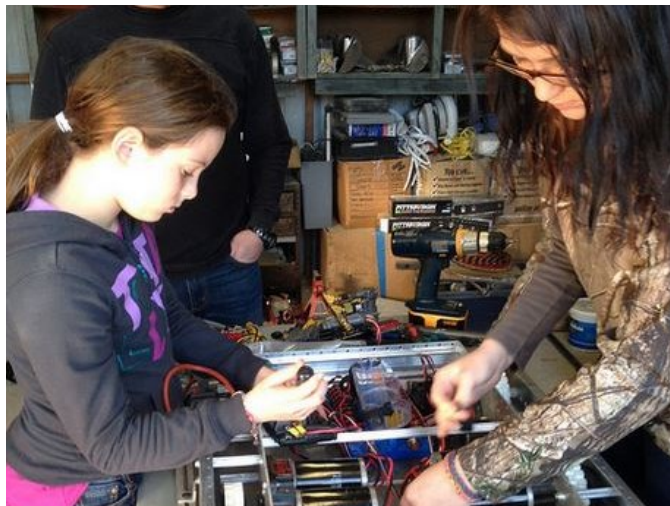
Inspiration comes in many forms. Our Lead Programmer was inspired to join robotics because of the billboard seen above.



Our other elementary Ambassador is also part of an FLL team. He helped prototype our pickup system, build the drive-train, and tested our 3d Printer.



We believe that mentoring a team continues for more than just one year. Tigerbytes continues to work with our team each year.



One of our newest Ambassadors is also a leader in her FLL team—one of seven teams at her school. Here, she works with Witni on wiring the drive-train.



Here are three students from our newest Mentee Team, Team 4978, Tiger Robotics from the Dunham School. We are working to start one new FRC team each year.