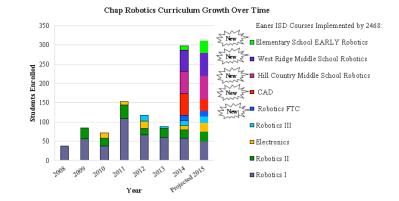
FIRST® Team 2468 Westlake High School, Eanes ISD; Austin, TX

FIRST FRC^{*} Team 2468 is based at Westlake High School in Austin, TX. The team was established in 2008 and has grown from one team of 35 students to a fully integrated program with 9 teams of over 300 students, as well as a full robotics curriculum encompassing elementary through high-school courses.

2013-2014 Corporate Sponsors

- Freescale Semiconductor
- Xerox Corporation
- Barry Consultants
- National Instruments
- BAE Systems
- Pixels & Verbs, LLC
- 37signals



Benefits of Team Participation

Team membership is open to all students in our school, although many members are also enrolled in either one of the robotics or related courses (electronics, CAD, etc.).

- Almost daily opportunities to work side-by-side with skills industry professionals, much as they would onthe-job.
- Practical application of knowledge gained in other courses (e.g., physics, calculus, programming) significantly enhances understanding.
- Opportunities for intense training in areas such as presentation skills, training, sales and fundraising, public relations, marketing, process management, and more.

Program Highlights

- Over 170 outreach events touching over 430,000 people in 7 countries, including the US, South Africa, Korea, Ukraine, Ethiopia, Australia and India with our STEM education message
- Appearances in the TV show Revolution and the movie Transformers: Age of Extinction, reaching an estimated audience of over 50 million viewers
- Unique fundraising program that earned the FRC Entrepreneurship Award at all three regional events in which our team competed in 2014
- Establishment of ChapResearch—a district-wide research and development program to encourage student-led innovation and entrepreneurship
- Submission of two US patent applications for student-developed products and over \$1500 revenue gained from sale of student-developed products, with additional funds going to charity

ChapResearch Division

Our program improves *FIRST*, our community, and the world through the design and manufacture of ground-breaking designs and inventions. After the creation of the patent-pending ChapR[™] device, we officially established ChapResearch as our R&D division to better organize the design and production of such efforts.

| The 3D-Printed String Potentiometer Sold through AndyMark[®] Previously only available for greater than \$400 (illegal for FRC) Our version can be made for less than \$40 440 units sold to date (equiv- alent to 15% of all FRC | The ChapR[™] Device for FTC[°] Robots Patent application filed in September 2014 Eliminates need for PC during practice Every unit is student manufactured 40+ units sold to date Profits go to providing ChapR devices at no cost to at-need teams (5 as of April |
|--|---|
| The Hydro Hauler Provisionally patented water transport wheel 30 devices implemented in 10 villages in Ethiopia Actively involved with Dean Kamen in development of Slingshot[™] partnership and broader distribution channels | Navigation System for Visually Impaired Students Sponsored by Alliance Tech (donor of RFID tags) Planned installation of RFID tags through school Tags sensed by devices on students' canes that provide vibration or voice direction |

FIRST Team 2468 Award History

While actively embracing the innovation, classroom development, community outreach, and entrepreneurship tenents of *FIRST* Robotics, Team Appreciate is, first and foremost, a competitive robotics team. Our program has seen consistent growth in technical performance and recognition over its history.

| Award | | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--|------|------|-----------|------|------|------|
| Regional Rookie All-Star | | | | \square | | | |
| Regional Finalist | | | | | 1 | | 2 |
| Regional Winner | | | | | | 1 | 1 |
| Regional Chairman's | | | | | | 1 | 1 |
| Championship Division Engineering Inspiration | | | | | | | 1 |
| Regional Entrepreneurship | | | | | 1 | | 3 |
| Regional Engineering Excellence/Creativity | | 1 | | 1 | | 1 | |
| Woodie Flowers Finalist | | | | | | 1 | 2 |
| Dean's List Finalist | | | | | 1 | | 1 |

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