



In 2011, however, thanks to the fervent interest of major figures in government, the media, and mainstream entertainment, the "volume" of voices promoting FIRST...

...GOT TURNED UP LOUD...VERY LOUD!

MAKING IT LOUDER

In January, 2011, a timely phone call to Dean Kamen by music mogul, tech entrepreneur, and The Black Eyed Peas frontman will.i.am kicked off an amazing season-long collaboration of unusual bedfellows, culminating in a national television special on the ABC Network in August dedicated to promoting science and *FIRST* ("i.am *FIRST*" – Science is Rock and Roll"). will.i.am pledged his continuing support to the program in an effort to "turn science and engineering up loud." The entertainer delivered with a full-tilt The Black Eyed Peas concert for attendees of the *FIRST* Championship in St. Louis, which was filmed for the TV special and featured appearances by a long list of celebrities — Jack Black, Steven Tyler, Bono, Justin Bieber, Britney Spears, and many more. President Obama even had a cameo!

...AND LOUDER

In May, CNN's Soledad O'Brien produced and hosted a well-received documentary on American education ("Don't Fail Me: Education in America") which followed three *FIRST** Robotics Competition (FRC*) teams as they worked through the year's challenge, LOGO MOTION™. For millions of viewers, it was an eye-opening introduction to the world of *FIRST* and its importance in our collective future.

President Barack Obama, along with White House Technology Officer Aneesh Chopra, continued to feature *FIRST* teams as perfect examples of the president's national White House Science Fair initiative promoting STEM (science, technology, engineering, and math) education and celebrating science and math achievement in American schools.

...AND LOUDER

Books, magazines, newspapers, cable TV, and the Web helped us create noise, too, with ongoing national coverage by *Bloomberg, CNN, Popular Mechanics*, *Popular Science, Wired, ESPN Magazine, WallStreetJournal.com*, and more. Author Neal Bascomb brought the *FIRST* experience to life in his inspiring

book, *The New Cool*. Time Warner Cable incorporated *FIRST* into its national "*Connect A Million Minds*™" initiative, featuring our FRC program in its TV show "It Ain't Rocket Science."

The clamor of *FIRST* recognition continues to grow louder every day. The continuing mainstream exposure is helping propel us toward our goal of making *FIRST* known and recognized around the globe. Will your company, your circle of influence, your personal voice be the next to join the chorus?



Dean Kamen

Morgan Freeman

Soledad O'Brien

Ryan Hart FIRST put me on the path to engineering and has allowed me to gain first hand experience doing something that is both fun and rewarding. There is nothing like the feeling of watching the robot that you built go out on the field and win!

Like · Comment · Share • 3 hours ago



FIRST® PROGRAMS

rever stops

building upon

itself, starting

at age 6 and

continuing through middle and high-school levels up to age 18. Young people can participate at any level. Participants master skills and concepts to aid in learning science and technology through innovative projects and robotics competitions, while gaining valuable career and life skills.

Gracious Professionalism™
Coopertition™
Sport for the Mind™

FIRST*Robotics Competition
Grades 9-12 (ages 14-18)

FIC.

FIRST® Tech Challenge

Grades 9-12 (ages 14-18)

FIRST°LEGO°League

Grades 4-8 (ages 9-16) ages 9-14 in the U.S./CAN/MEX

Junior FIRST® LEGO® League
Grades K-3 (ages 6-9)

FRC teams compete with up-to-150-pound robots of their own design in this varsity Sport for the Mind, combining the excitement of sport with the rigors of science and technology.

robots using a reusable, modular kit of parts, and compete head to head. Students learn to think like engineers.

real-world Challenge that changes annually. Their activities are guided by FLL Core Values.

Jr.FLL teams design and construct a model with moving parts using LEGO® elements and present their research journey on a "Show-Me" poster.

High-school students get to:

- Work alongside professional engineers
- Learn and use sophisticated hardware and software
- Develop design, project management, programming, teamwork, and strategic-thinking skills
- Qualify for millions of dollars in scholarships

High-school students get to:

- Design, prototype, test, and compete using real-world practices (e.g. Engineering Notebooks, CAD software, and rapid prototyping)
- Get hands-on programming and rapid-prototyping experience
- Develop strategic-thinking, problem-solving, organizational, and team-building skills
- Qualify for millions of dollars in scholarships

Children ages 9 to 16 (9 to 14 in the U.S., Canada, and Mexico) get to:

- Strategize, design, build, program, and test an autonomous robot using LEGO® MINDSTORMS® technology
- Create innovative solutions to challenges facing today's scientists
- Develop career and life skills including critical thinking, time management, and teamwork
- Become involved in their local and global community

Children ages 6 to 9 get to:

- Explore challenges facing today's scientists
- Discover real-world math and science
- Engage in team activities guided by Jr.FLL Core Values
- Build self-confidence and life skills

FIRST Facts 2011

Youth participants 248,000+ (ages 6-18)
Mentors, Coaches, Volunteers, and adult supporters 90,000
Number of hours donated by Volunteers6,933,74
U.S. states participating5
Countries participating60
Scholarships available
Sponsors
FIRST® Robotics Competition donated parts459,03
Number of robots constructed
Growth of FIRST participation (over 2010)179
Participants who have a meaningful learning experience1009

FIRST participants are many times more likely to:

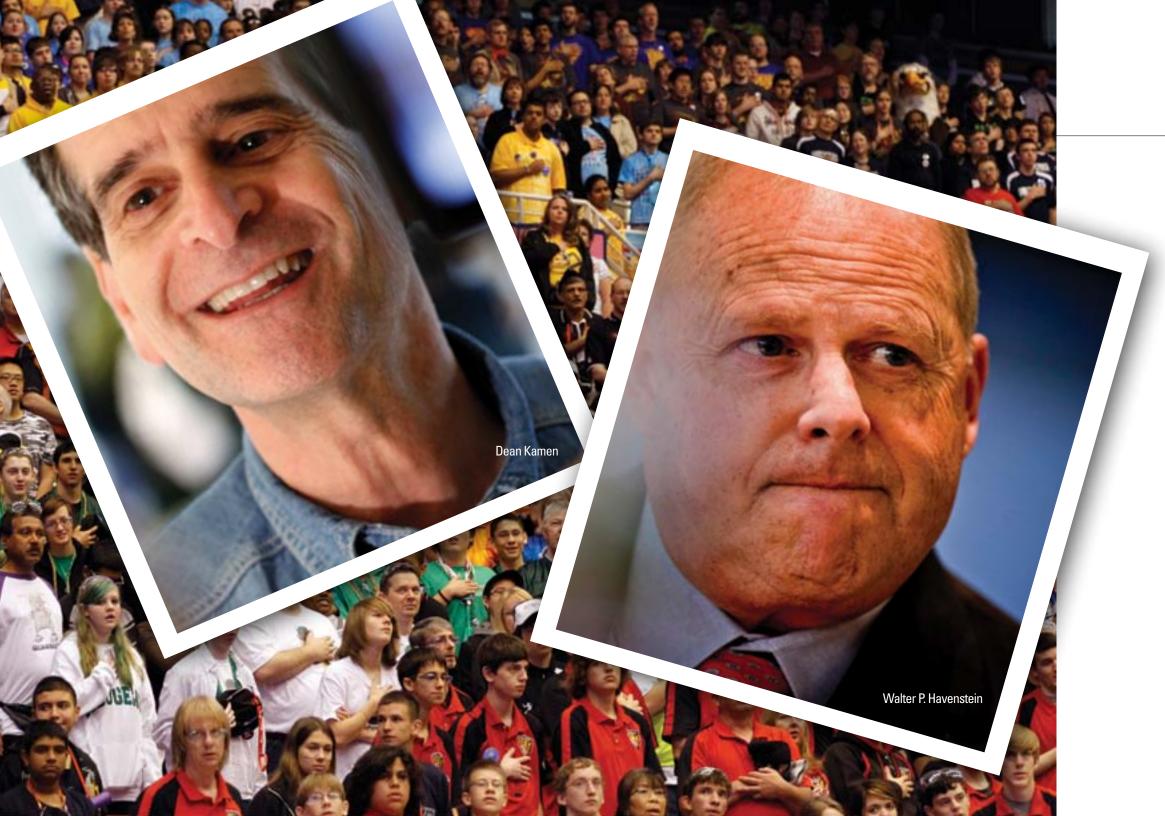
- Attend college
- Major and pursue careers in science or engineering
- Volunteer in their communities
- Secure internships
- Mentor students
- Become outstanding citizens

In college, *FIRST* participants are many times more likely to:

- Secure internships
- Pursue careers in engineering
- Minority FIRST participants are more than twice as likely and female participants are four times as likely to study science and engineering









President Obama Introducing ABC special about FIRST

"If our kids study hard in math and science, then their futures are going to be bright, and so is America's. Now, may the best robot win ..."

Every year, at the Championship and at *FIRST* events across the country and globally, we give *FIRST* participants the same challenge... "homework," if you will. **GO OUT AND MAKE FIRST LOUD!**Talk about it with everyone you know. Shout about it at every opportunity. Let everyone you can know what a life-altering, game-changing, planet-awakening social and educational experience *FIRST* is.
But despite constantly earning A's on this assignment, and experiencing consistent yearly growth, *FIRST* has continued to operate under the radar of the general public.

This year, however, we hit the jackpot. We couldn't be more excited about the national and international attention *FIRST* has received from luminaries in government, the media, publishing, and the diverse world of popular entertainment. All of a sudden, it seems that *FIRST* has become, to borrow from author Neal Bascomb's recent book title, the "new cool." The national call for science, technology, engineering, and math (*STEM*) education in our schools is reaching a crescendo and *FIRST* is helping lead the chorus. Of course, those of us involved in our organization have believed this for decades. It just took a little time for the rest of the country to catch up!

We are extremely grateful to an endless list of people from many fields who have embraced FIRST and lent their influence, time, and resources to help us pump up the excitement. For their passion and leadership, we recognize President Barack Obama, White House Chief Technology Officer Aneesh Chopra, entertainment mogul will.i.am and The Black Eyed Peas, CNN's Soledad O'Brien, Time Warner Cable's NY1, Academy Award-winning actor Morgan Freeman, and countless others whose names you will see in this document. To all those who have shared their brilliance and vision with us, we thank you. And to the tens of thousands of Volunteers, Mentors, Coaches, teachers, parents, friends, and fans who make FIRST run and help it continue to grow, you have our sincere and humble gratitude. None of this would happen without you. You continue to inspire us all!

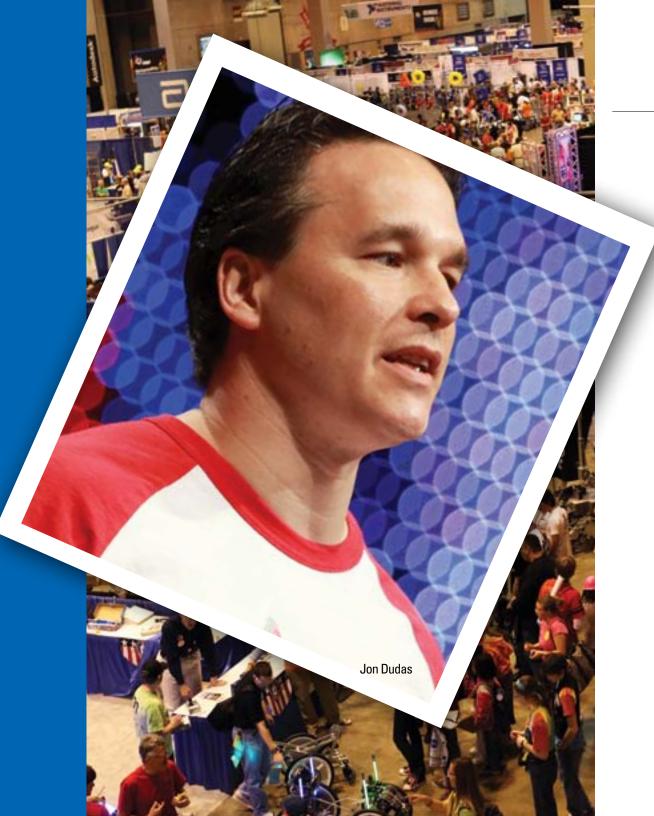
The world's educational, political, and business leaders have once again been reminded that the future belongs to the innovators: the young men and women now involved in the *FIRST* progression of programs. The U.S., in turn, must push harder for STEM education in our schools. This year, we recommit ourselves to work for the day when *FIRST* programs are available to everyone who dreams of developing the next generation of technological wonders.

Dean Kamen, FIRST Founder

Walter P. Havenstein, FIRST Chairman

W. P. Lavante

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the by FIRSTweets

Oprah Oprah @will.i.am u r a bonafide genius. I saw clips of the show. GENIUS idea. My only regret is it's not on Oprah Winfrey Network.

During my seven years at the United States Patent and Trademark Office, I was exposed to the tremendous impact *FIRST* has on lives, young and old, and how it directly affects our future. After my first full year working with so many dedicated, inspiring people inside and outside of this dynamic organization, I continue to be amazed at how many of our participants move on through our four programs to become the next generation of forward-thinking inventors, community leaders, motivated employees, and model citizens. That so many of those same students return to help us prepare the next generations of science and technology heroes is also inspiring.

Working tirelessly together this year, thousands of people from all walks of life joined forces to make *FIRST* "louder." As a result, we also helped make *FIRST* "bigger," with a quarter million young people aged 6-18 taking part in our four *FIRST* robotics programs, an overall 17 percent increase over 2010. Of course, supporting and guiding all these motivated kids are more than 90,000 Volunteers — Mentors, Coaches, tournament organizers, fundraisers, Sponsors, emcees, drivers, and a myriad of other jobs. Our heartfelt thanks to each and every one of you for seeing the potential of *FIRST* and diving in to help make it all happen. Our hats are off to you once again.

In our 20th Season of the *FIRST*° Robotics Competition (FRC°), we continued to grow at record rates, with 2,072 teams participating in 59 events. But we will not be satisfied until we inspire young people in every school in the U.S. to become science and technology leaders. Our success is also measured by the much larger percentage of *FIRST* participants going to college and majoring in technology, engineering, and the sciences.

2011 was a banner year for many parts of the *FIRST* organization. Not only did CNN and ABC air specials on *FIRST*, but it was the inaugural year for a new contest in our *FIRST*° LEGO° League (FLL°) program, the Global Innovation Award. FLL also saw growth across the globe with more than 167,000 9-16 year-olds (9-14 in the U.S., Canada, and Mexico) researching the human body in the "Body Forward" Challenge. Junior *FIRST*° LEGO° League (Jr.FLL°) enjoyed growth to over 12,000 6-9 year-olds on 2,147 teams from five countries, participating in more than 80 events. Our *FIRST*° Tech Challenge (FTC°) game, "GET OVER IT!™," brought more than 16,000 high-school participants to 101 Qualifying and Championship Tournaments, and we piloted the program in India and China. Our college scholarships reached nearly \$15 million from nearly 150 colleges, universities, and companies in the U.S. and Canada. We introduced our first "team sustainability program" — selling the *FIRST* Green e-watt saver LED bulb — with teams raising more than half a million dollars. However, the most impactful findings come from our own students. They are our ambassadors, telling the story of *FIRST* as they build their robots, work at major corporations and in government, attend college, and help the next generation of technology leaders and innovators as *FIRST* Mentors and Volunteers.

There are thousands of ways our community helps "make *FIRST* loud," creating stories of inspiration, innovation, and contributions of time, talent, and resources to develop the science and technology leaders we need in our future. If "louder" translates into "bigger," then join me this coming year to continue to turn the volume up. We need to engage more of our youth than ever before. Our collective futures depend on it — in our universities, our corporations, our governments, and our communities. The momentum we've gained in 2011 is solid ground for strong growth in 2012 and beyond. Thank you for your passion and all you have done to date. If you are ready, we have a much bigger and even more rewarding job to accomplish.

Jon Dudas, FIRST President



continued to see double digit growth with more than 2,100 teams participating in the 2010/2011 Body Forward® Challenge. Jr.FLL captures young children's inherent curiosity and directs it toward discovering the wonders of science and technology. Jr.FLL features a real-world Challenge, which teams solve through research, critical thinking, and imagination. Guided by adult Coaches and the Jr.FLL Core Values, students work with LEGO elements and moving parts to build ideas and concepts and present them for review. During the Body Forward season, children aged 6 to 9 researched the human body and what might go wrong with it. Teams discovered how Biomedical Engineering helps people get and stay healthy.



Tanya Cisneros-Conreaux We are in process of forming a group for Jr.FLL and so excited to get my son involved in this amazing program at such a young age!

Like · Comment · Share • August 9 at 11:25 am

1 person likes this

NEW JERSEY TEAM "MAKES IT LOUD" FOR YOUNGER FIRST TEAMS

FIRST° Tech Challenge (FTC°) Team 4220, the "Landroids," is one the most enthusiastic, unofficial supporters of all things FIRST, especially when it comes to inspiring young kids to join the FIRST progression of programs. The all-boy team connected with industry experts to help expand the reach of Junior FIRST LEGO League (Jr.FLL) teams across their state. In 2010, they hosted their annual Jr.FLL Expo, the largest outdoor, carnival-style Jr.FLL Expo in

the nation, with 16 New Jersey Jr.FLL teams, plus dozens of Volunteers. As part of the event, the Landroids invited robotics surgeons from Livingston's St. Barnabas Medical Center to be the Reviewers, which dovetailed off of the Jr.FLL 2010 Body Forward Challenge.

From their own beginnings in 2007 as a *FIRST*° LEGO° League (FLL°) team, the Landroids have been documenting processes and sharing organizational tips with local parents interested in *FIRST*. Their focus

broadened from being an FLL team to organizing an FTC team, and inspired the formation of several new teams. Eventually, they formed their own organization, the Livingston Robotics Club, hosting elaborate summer workshops and lengthy in-person presentations. The team's community efforts have since expanded into a state-wide outreach.

"Beyond building robots, we should leverage the innovation, inspiration, and interconnection that *FIRST* has brought to us," said Landroids' Coach Pearl Hwang.

THE LANDROIDS

PROFILE

When asked about the team's success and extraordinary level of commitment, *FIRST* New Jersey Regional Director Don Bowers said, "The Landroids have incorporated continued renewal into their game — first they renew themselves by progressing through *FIRST* challenges, second by giving back to the community, and finally by competing in national robotics competitions that build upon the skills they've learned from *FIRST*."



Valerie Mortensen

19 hours ago

I've been a Jr.FLL coach for 3 years now and the program is in such high demand!! It's a very unique after school offering and it is exciting helping the kids learn how to work together in teams so by the end of our season... they are proud of their accomplishments using LEGO!

Like · Comment · Share



1 person likes this



were held, and 84 teams gathered at the World Festival in St. Louis to celebrate the season. The Global Innovation Award, in its inaugural year, provided an extension to the FLL season through an online competition designed to help teams learn about intellectual property.

@FirstLegoLeague since he was 6 (now 13). Has been best educational investment #gifted #homeschool 3 April

"THE FLYING MONKEYS" LEND A HAND TO "MAKE IT LOUD"

For a Georgia 3-year old, the chance to hold a pencil and draw for the first time is now a reality, thanks to the creative efforts of FIRST LEGO League (FLL) team, "The Flying Monkeys," and the FLL Global Innovation Award — an inaugural competition sponsored by the X PRIZE Foundation in collaboration with the United States Patent and Trademark Office (USPTO).

> As part of the FLL Global Innovation Award competition, this year's FLL teams were asked to offer a solution to a critical, real-world problem in the field of biomedical engineering. The competition tasked teams in more than 56 countries to submit ideas developed for the 2011 FLL Challenge, Body Forward.

First Prize went to The Flying Monkeys, a Girl Scout FLL team from Ames, Iowa that more

than met the challenge with BOB-1, their multifunctional prosthetic hand device, which will help people with limb abnormalities hold, grip, and

secure items. Their invention — made of moldable plastic, a pencil grip, and Velcro — was inspired by Danielle Fairchild, the Duluth, Georgia toddler who was born without fingers on her dominant hand. As part of their research, the team members met with a prosthetics manufacturer, an occupational therapist, and people with limb differences, and then designed the easy-to-use and cost-effective prototype.

In addition to the tremendous satisfaction of helping the Georgia toddler — as well as the potential to help many others like her in the future — The Flying Monkeys also received \$20,000 from the X PRIZE Foundation, which will be applied to cover costs associated with the patenting process.

THE FLYING MONKEYS

PROFILE

The awards ceremony, held in Alexandria, Virginia this past June, also acknowledged a number of patent-pending inventions developed by other FLL teams, recognizing their creativity, compassion, and innovation. Winners were selected from more than 170 submissions from 15 countries. The entries were voted on by the public and then judged by an expert panel to determine the most patentable ideas.



Sue Mueller Hoyt

Yesterday at 4:34pm

Being part of the FIRST experience is life changing. My son was a FIRST LEGO League participant and then coach. he received a 12,000 dollar scholarship to college because of it.

Like · Comment · Share



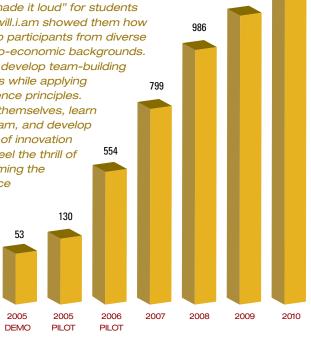
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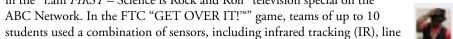
FIRST® Tech Challenge

TURNING UP THE TEAMS!

NUMBER OF TEAMS

FIRST Tech Challenge "made it loud" for students around the world when will.i.am showed them how accessible FTC can be to participants from diverse ethnic, cultural, and socio-economic backgrounds. Students in the program develop team-building and problem solving skills while applying real-world math and science principles. They gain confidence in themselves, learn to work together as a team, and develop a greater understanding of innovation and engineering — and feel the thrill of success. They are becoming the next generation of science and technology leaders who are not only making FTC "loud," but also fun.





GET VER IT

FIRST® Tech Challenge (FTC®) experienced an

Tournament. One hundred twenty-eight teams earned the right to compete in the FTC World Championship in St. Louis, will, i.am, frontman for

The Black Eyed Peas, chose to feature FTC Team 3509, "Phoenxtrix,"

in the "i.am FIRST – Science is Rock and Roll" television special on the

ABC Network. In the FTC "GET OVER IT!™" game, teams of up to 10

following, magnet seeking, and ultrasonic touch, to program their robots to

operate in both autonomous and driver-controlled modes. Robots executed

both offensive and defensive strategies to score batons into stationary and rolling goals. Guided by adult Mentors, FTC teams designed, built, and

competed in an Alliance format and used a modular robotics platform,

applying real-world math and science concepts.

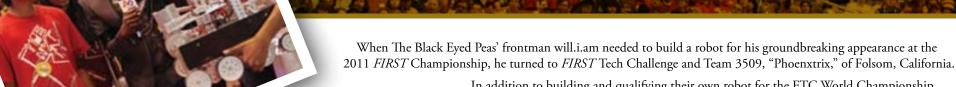
unprecedented 45 percent growth in teams in the 2010/2011

season. There were more than 16,000 high-school students on 1,606 teams, in five countries, competing in 101 Qualifying and Championship Tournaments and one World Championship

> **Sravan Suryadevara** FTC is pretty awesome, mentoring a team right now and the small group dynamic is terrific. Allows you to work with the whole team, but at the same time part of a team.

Like · Comment · Share • 20 hours ago





PHOENXTRIX

PROFILE

FTC MAKES IT LOUD AND "DIRTY"

In addition to building and qualifying their own robot for the FTC World Championship, Phoenxtrix also acted as the design and build team for will.i.am's robot. With guidance from Ken Johnson, FTC Director, the project was kept under wraps until its debut at the World Championship in April.

A highlight of the World Championship event was the FTC Celebrity Match featuring FIRST Founder Dean Kamen with Team 2859, "Team Tiki," from McLean, Virginia; FIRST President Ion Dudas with FTC Team 311, "the Fem Bots," from

Williamston, South Carolina; and will.i.am's "Dirty Bot." Under intense media scrutiny and tough competition, "Dirty Bot" emerged as the winning FTC Celebrity Alliance.

The spotlight on FTC and Phoenxtrix didn't end there. "Dirty Bot" was the focus of numerous national interviews and stories promoting FTC. The robot logged thousands of travel miles promoting FIRST, including making an appearance on "Piers Morgan Tonight," and will.i.am's FTC experience became the key storyline in "i.am FIRST - Science is Rock and Roll." The ABC Network special celebrated the 20th annual FIRST Championship and also featured live performances by The Black Eyed Peas and Willow Smith

"Dirty Bot" is now de-commissioned and still proudly belongs to will.i.am.



Michael McKellar

19 hours ago

In four short years of FIRST I've watched my twin son & daughter become competent programmers, engineers, researchers, team members, presenters, and mentors. They blow me away with how much they know at their young age. Wow, what an advantage.

Like · Comment · Share



2 people like this



In 2011, the FIRST® Robotics Competition (FRC®)

celebrated its 20th season, commemorating two decades of innovation in science, technology, engineering, and math. More than 51,000 high-school students (2,072 teams, including 410 rookie teams) from 11 countries took on the LOGO MOTION™

engineering challenge. Three-team Alliances competed on a

27' x 54' field, earning points by hanging inflated triangle, circle, and square logo pieces during a match lasting two minutes and 15 seconds.

Bonus points were earned for arranging pieces to form the FIRST logo

and for deploying mini-bots to climb vertical poles. Teams participated

in 48 Regional Competitions, nine District Competitions and one State Championship in Michigan, and the FRC Championship at

the Edward Jones Dome, St. Louis, Missouri. This past year, team

members were eligible to apply for nearly \$15 million in college

scholarships from nearly 150 providers.

TURNING UP THE TEAMS!

NUMBER OF TEAMS

2,072

When technology and rock and roll converge, the combination is nothing less than amazing. That was evidenced by a 2011 groundbreaking, star-studded ABC TV special that showcased the efforts of FIRST in inspiring young people as it took an inside look at the 20th annual FRC season and FIRST Championship. The program, "i.am FIRST — Science is Rock and Roll." drew 2.8 million viewers: received extensive media coverage by CNN, CBS, BET, Forbes, The Washington Post Bloomberg, NPR, Reuters, Yahoo News, The Boston Herald, The Huffington Post, and more; and generated more than 68,000,000 hits on numerous social networks including Twitter, Facebook, LinkedIn. and YouTube.

6

stepstate Steph A high school kid in Soledad's #dontfailme special:
"I feel I don't have the right to not use the abilities I have." Wow.

MENTOR SAYS NEVER UNDERESTIMATE THE POWER OF A FIRST CHALLENGE

When asked how he ended up with "the best job in the world," *FIRST* Robotics Competition Coach, Mentor, and Associate Director of the Robotics Resource Center at Worcester Polytechnic Institute (WPI) Brad Miller says he spent so much time working on robotics-related activities that WPI had no choice but to make it official.

Brad Miller

"LOUD" AND LOCAL:

PROFILE

In 2000, the Massachusetts college's Associate Provost suggested Miller check out a *FIRST* event. Miller was so impressed by the enthusiasm of the *FIRST* students that he asked the Mentor of Team 190 — from Massachusetts Academy of Math and Science High School — if he could help. He has been

mentoring the team ever since.

Miller helps with training at Kickoff Workshops for Mentors and gives pregame sessions that get FRC teams up to

speed for the coming season. In addition, he created WPILib, a software library that simplifies the process of programming the robots. This software is available to all FRC teams.

One of the most rewarding aspects of Miller's time with *FIRST* has been the opportunity to watch teams take software that he developed and use it to do things they "never thought possible; to solve problems they thought were out of their reach."

Miller is grateful for the opportunity WPI has provided him. "I feel fortunate to be working at a school that thinks so highly of the *FIRST* program," says Miller, who adds that WPI sponsors two FRC teams, is an Operational Partner for *FIRST*" LEGO" League (FLL") in Massachusetts, and hosts an FRC Regional Competition, as well as the Massachusetts State FLL Championship.



John Knox

February 22 at 10:33pm

Imagine... if that high school kid in 1978 with the really cool Camaro had been given the chance FIRST provides? What would he be doing now? FIRST takes that kid and makes him a super star. That's why I love FIRST!

Like · Comment · Share



29 people like this

16

Woodie Flowers Award Recipient John Larock Says Prestigious Award Is an Honor »

In addition to the formal Sponsors, Suppliers, and Contributors acknowledged on these pages, FIRST extends its sincere appreciation to the tens of thousands of Volunteers who generously devote their time and expertise, and the thousands of Sponsors of FIRST Robotics Competition, FIRST Tech Challenge, FIRST LEGO League, and Junior FIRST LEGO League teams and events. FIRST could not achieve the powerful impact it does without this tremendous support.

FIRST thanks all of its supporters and makes every effort to ensure complete and accurate listings. If we've made an error, please accept our sincere apology, and please help us correct it by letting us know at 1-800-871-8326.

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Although he has earned many awards in his tenure with the organization, Delaware-area FIRST Mentor John Larock says receiving this year's Woodie Flowers Award — in recognition of Mentors who lead, inspire, and empower using excellent communication skills — is a special honor.

math) disciplines.

While thrilled to receive the coveted award, Larock is quick to note his work with FIRST is about more than just awards. Rather, it's about his consummate passion when encouraging students and the entire state of Delaware — to embrace FIRST and the STEM (science, technology, engineering, and

Larock, who during his "spare" time is a University Relations and College Recruiting Manager at DuPont, has been instrumental in the company's support of many FIRST Robotics Competition (FRC) teams and the FRC Philadelphia Regional. As Mentor of FRC Team 365 "Miracle Workerz" — aka "MOE" — Larock partnered with Salem Community College (SCC) and FRC Team 316 "LuNaTeCs" to develop the off-season "Duel on the Delaware" robotics competition, now in its tenth year.

Another "claim to fame" is Larock's creation of MOE U and a corresponding robotics curriculum. The fall training program helps students earn up to 18 college credits at SCC while learning engineering and machine shop skills. In 2003, he also developed MOEmentum, a web-based weekly guide for rookie FRC teams. In addition, the prolific Mentor, with the help of team members, designed a one-day competition to introduce FIRST to students in Northern Ireland.

On a daily basis, Larock coaches *FIRST* strategists, scouts, and Mentors. In addition, Larock has given hundreds of presentations and demos at schools, community events, and businesses on behalf of FIRST.

As an enthusiastic advocate for FIRST, Larock is a welldeserved recipient of the Woodie Flowers Award. As one Mentor said so well, "When the Woodie Flowers Award was created, it was as if they had John in mind."



That's really awesome. President Obama's attention to education and in particular science is really phenomenal. Congratulations FIRST!

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FIRST Scholarship Program 2011 »

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United Technologies Corporation (UTC) In 2011, all FIRST Robotics Competition (FRC) team FIRST Championship Sponsors members were eligible for over 930 scholarship opportunities, valued at more than \$14.8 million. FIRST Tech Challenge (FTC) students were eligible global glacéau vitaminwater for nearly \$9.7 million of these scholarship funds. National Defense Education Program (NDEP)

FIRST

SCHOLARSHIP

PROVIDERS

The majority of *FIRST* scholarships are provided by colleges or universities for enrollment at their campuses. The rest are provided by corporations and professional associations and are awarded for use at any school. Listed in this 2011 report (page 22) are 148 FIRST Scholarship Providers, 22 of which are new this year.

Some FIRST scholarships are awarded for special majors such as engineering, math, science, computer science, or technology. Others can be used for any course of study. The values of scholarships vary from full tuition to under \$1,000. Most are renewable annually if the student maintains an acceptable academic average



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Since initiating its involvement with FIRST in 2001 The Boeing Company —

the 2011 FIRST Founder's Award

recipient — has donated scholarships and provided employee Volunteers and countless Mentors to the organization, as well as sponsored numerous teams (more than 150 FIRST Robotics Competition teams through grants and Mentors last season alone).

The Founder's Award, presented annually for exceptional service in advancing the ideals and mission of FIRST, was accepted by Boeing Senior Vice President of Human Resources and Administration Rick Stephens, who pledged continued commitment in helping FIRST reach its strategic objectives for growth. Boeing is also a FIRST Strategic Partner and a Championship Sponsor.

"These young innovators will solve the problems we don't know exist yet," said Stephens, who added that the partnership with FIRST builds on Boeing's ongoing commitment to inspire future engineers and scientists.

FIRST Founder Dean Kamen applauded the efforts of Boeing at this year's Championship, saying it's an extraordinary company "that has made dreams fly and become a reality for thousands of students who would not otherwise have had an opportunity to participate in FIRST."

Ankit Shah FIRST inspired me to get a move on my education and to work harder to achieved my goals. Why should you join FIRST? Well... why not? FIRST teaches you about STEM, and you dont even realize it because you are having too much fun!

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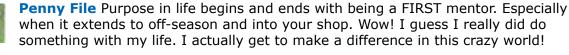
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when it extends to off-season and into your shop. Wow! I guess I really did do something with my life. I actually get to make a difference in this crazy world!

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Covidien Connecticut Center for Advanced Cox & Company, Inc. Connecticut Light and Power Company Cozen O'Connor Connecticut Technology Council CPCC CPFilms, Inc. CPS Energy **CR** Meyer Craftsmanship Craig Technologies Creative Affair Universal Music Publishing Group Contra Costa County Regional Occupation Creative Foam Credit Suisse Control Products Corporation Credit Suisse First Boston Control Service Company, Inc. **Cricket Communications** Control Technology & Solutions Criterium-Turner Engineers CRM Crow Corp. Crown Holdings, Inc. **Crown Point Community Foundation** CRREL Copeland-Gibson Products Corp. CRS CRTS CruiseHawaii Crystal View Corp. (a Johnson & Johnson Company) CSI CSTEM **CSULA Engineering and Technology** Cornerstone Manufacturing Department CTDI CTE Cuhadaroglu Aluminyum & Holding Corry Industrial Roundtable Culver City Industrial Hardware Cummins Inc. Corry Manufacturing Company **Cummins Rocky Mountain** Corry Rubber Corporation Laura Moore Cunningham Foundation **Curtis Industries** Cost Engineering of Hawaii, Inc. **Custom Creations Custom Electronics**

Custom Finishers

CV Robotics

Cuyahoga Community College

Cuyahoga County Workforce Development

CW Iron Inc. CWCTC Cypress Computer Systems Inc. Cypress Semiconductor Incorporated D. Louis Weir Law Firm D5Robotics: School District Five of Lexington and Richland Counties **D&E Machining Inc** DACS Inc. Dallas Airmotive, Inc. **Dalton Enterprises** Dana Corporation Dana Holding Corporation **Daniel Webster College Daniels Foundation** Danny Beck Chevrolet Danny's Auto Body and Wrecker Service LLC Dan's Robotic Team Danville Public Schools Gifted Resources **Dart Foundation** Dashiell **DASI Solutions** Dassault Falcon Jet Corp. Data Tactics **Datacard Group** DataHouse Dave White Chevrolet David Price Metal Services DaVinci Robotics Davis Applied Technology College Joev Davis Mary C. Davis Davison Tool & Engineering, L.L.C. Dawson Parents Council Day Tool and Manufacturing Incorporated Day Tool Co.

DAYCO

DCPS

DCPS-CTE

D.E. Shaw & Co

DCM Erectors Inc

Dean Scherman Memorial Fund Deauville Apartments **DEC Metals** Decals Plus **Decisive Analytics Corporation Defense Acquisitions Agency** Defense Threat Reduction Agency DEFIND Training Group, Inc. **DEI** and Associates Del Monte Foods Delaware Valley Industrial Resource Center **Dell Engineering Services** Dell Inc. **Delphi Corporation** Delphi Foundation Delphi Thermal Delta Gases Delta Machining Inc. **Delta Technologies** Dematic **DEMCO Electric Company Dennis Corporation** Denny's Autobody **DENSO** Department of Defense Department of Defense Education Activity Department of Education Department of Labor

DePuy Companies (a Johnson & Johnson

Derek Blakely Wealth Management

Company)

Design First

Design Massif

Design Visionaries Dominion Designcraft, Inc. Dominion Millstone Power Station Dominion Nuclear Connecticut Inc. DesignIt Prototyping DesignTree **Dominion Virginia Power** Donnelly College DesOrmeaux Insurance Despatch Industries Doon Manufacturing **Detroit Science Center** Door Systems DeVry University **Dorchester County Council** Dorvo Maguinas DeVry University – Crystal City DeWALT Dos Coyotes DOTM Alumni DFW Industrial Metals and Recycling Diallo, Cromer, Toussaint, Posev & Polk, PLLC Dott-Communications, LLC Ken & Terry Dickie Double 'D' Drafting Douglas Industrial Dickinson Education Foundation DigiPen Institute of Technology The Dow Chemical Company Digital Pre-press International Dow Corning Digital Video Communications Inc Dow Water Solutions **Dimensional Communications** Dranev Family **Dimensional Innovations** Dimplex Thermal Solutions Draper Laboratory Dini Group Dream Team Consortium DreamWorks Animation SKG Discount Investment Corporation Disher Design Drexel University Disney VoluntEARS Drever Insurance Agency DISTek Integration, Inc. Drilling Technological Innovations LLC District of Columbia Army National Guard Driscoll, Inc. Army Aviation Forces Command D.R.M. Stakor and Associates Diteba Research Laboratories Inc. DRN Machine Diversatech DRS C3 Systems, LLC Diversified Global Enterprises DRS Technologies Diversified Systems, Inc. DST Systems, Inc. **Diversified Tooling Group** DTE Energy Divine Imaging, Inc. DTE Energy Foundation DLB Paving DTE Energy Monroe Power Plant DLLINK DTL DLP Electric, Lodi **Dublin Robotics Boosters** Doan's Printing **Dublin School** Dobbs Tire and Auto Centers DuBois Consultants, Inc Dogus Kalıp The Duck Company Dole Food Company of Hawaii Duke Energy

Dundee Wealth DuPont Education **DuPont Delisle** Duquesne Light Dvnak Dr. Anil Dhar Medicine Professional Corp. Eagle Alliance

Duke Energy Foundation Eastman Kodak Company **Duncan Public Schools Foundation** Eat Right Mealplans Eaton Eaton Computer Dunwoody College of Technology Eaton Corporation DuPont Center for Collaborative Research & ebm-papst Inc EBO Group eChamps **DuPont Engineering** Echrays DuPont Favetteville Works Eco-Bat **DuPont Spruance Plant** Ecolab Inc. Durr Systems Inc. ECPI College of Technology The Durst Organization ED Products EDAK **Dynamic Network Services** EdCC **Eden Hall Foundation** FDF Edge Space Systems **EAC Product Development Solutions** Edgewater Automation **EADS North America** Ed-K Machine Eagle Aerospace Edmond Electric **Edmonds Community College** Eagle Fluid Power Systems **Education Collaborative** Eagle Technologies Education Foundation Inc. of Caldwell County **Eagleview Community Foundation** Earle M. Jorgensen Company EduSerc, Inc. East End Cardiology East Harlem Tutorial Program **Edward Jones** EFC Systems Inc East Meadow Chamber of Commerce FFD Inc Fast Meadow Kiwanis Eastern Educational Foundation EHA Eastern Regional Business Forms EhPro Custom Fabrication Eastern Regional High School Eigerlab Board of Education Einstein Brothers Bagels Eastern Sales & Engineering Company Eisai Inc. Eastern Shore Community College EIT Eastern Shore Defense Alliance EJ Ajax & Sons Inc Eastern Shore Robotics EJDesign Firm Eastlake Educational Foundation El Camino College Eastlake Optimist Club

El Camino Machine and Welding Elbit Systems Eldora Mountain Resort Eldorado Energy Electrocraft Electroimpact Electronic Learning Center Electronic Support Systems Electro-Optics Technology E-Lite Tool Elixir Industries Dr. Andrew and Judith Economos Foundation The Ellis School Embry-Riddle Aeronautical University **EMC Corporation** EMC2 EMCOT Corp. Emek Hefer Municipality Emerson Emerson Motor Company **Emerson Motor Technologies Employees Community Fund** of The Boeing Company Employees of Microchip Technology **EMS** Technologies Enable Training and Consulting, Inc Educational Employees Credit Union Enbridge Energy Encana Oil & Gas Enercon EnergySolutions Enerpro, Inc. Engage Integrated Systems Technology EngATech Engel & Engel, P.A. **Engine Monitor** Engineered Automation Systems, Inc.

Engineered Building Systems

Engineered Sales

Engineered Machined Products Inc.

Engineering Aluminum Fabricators



Enhanced Performance Management Enprotec/Hibbs & Todd, Inc. Ensign-Bickford Aerospace & Defense Entergy **Entergy Grand Gulf Enterprise International** Entertainment Liquidators of Canada Enthalpy Enviro Systems Inc. Environmental Systems, Inc. **Environmental Tectonics Corporation Envision Radio Corporation EOG Resources** EPIC Technologies, LLC **EPOH** EPS ERC Ernst & Young ES3 ESET eShipping Esterline Advanced Input Systems **Esterline Corporation** Esterline Defense Technologies eStop Robotics LLC Ethicon (a Johnson & Johnson Company) ETHOS Inc. European Auto Parts ev3 Inc. Even Kissar Evergreen Paper Company **Everist Materials** EvilRobotics.net Evogeneao **EWU Engineering Department ExaTorg Tuning and Performance** Exatron **Excel Engineering Exchange Club of Oakland County**

Exelon Corp.

Exlar

Exelon Corp. Byron Generating Station

Exotic Cutting Tools Exploration Geophysics Exploration Works Expon Exhibits Express Integrated Technologies Express One Expressway Self Storage Expro ExtraTech Corporation Extrude-A-Trim Aluminum Warehouse **Exxon Mobil Corporation** F5 Networks Fab2Order James Fair The Fairbrothers Fairchild Semiconductor Fairfield-Suisun Rotary Families of Team 2102 Families of Team 2164 Family Auto Care Famous Dave's BBQ Fanta Israel Farid Bokay Farmer Machine Co., Inc. Farmers Insurance Farmers Union Insurance Farmland Foods, Inc. Farrington Alumni and Community Foundation Fast Signs Fastenal Company

Fausev & Associates, CPA, PC

Federal Aviation Administration

Fehr Graham & Associates

Feldkamp Enterprises, Inc.

Ferndale High School

Ferndale Education Foundation

FCCTV

Fedco

Fernco

Federal Mogul

FedEx Ground

Festo Corporation Fibertek Field Robotics Center, Carnegie Mellon University Fifth Third Bank Fike Corporation Fikret Yuksel Foundation Martha San Filippo Foundation Filtrona Finger Lakes Tram The Finishing Touch Carly and Frank Fiorina Family Fund Fire Brick Engineering FireCo FireLink, LLC First Contact Software Consultants FIRST in Michigan FIRST in Texas First Preferred Mortgage FIRST Robotics Quebec First Solar First State Robotics. Inc. First Weber Group Fischer Tool & Die Fisher Space Pen Fleet Ready Corp. Flemington Car & Truck Country Flexicell Flight Safety FLIR Systems, Inc. Florida Atlantic University Florida Institute For Human & Machine Cognition Florida Turbine Technologies **Fayette County Chamber of Commerce** Flow International Corporation Fluid Power Society Fluke Corporation Fluor

FMC Technologies

FN Manufacturing

FNBC

Foamex

FNS Network

Fold-A-Goal

Folsom Anesthesia Medical Group Fond du Lac Morning Rotary Club Fond du Lac Rotary Club Force10 Ford Canada Ford Foundation Frank & Linda Ford Ford Motor Company Ford Motor Company of Canada, Ltd. Ford Motor Company Kansas City Assembly Plant Foresite Forest Lumber Form Tech Industries Forsythe Lannie Foster (Field Deputy), Office of Marguerite LaMotte The Foundation for Engineering Education Foundation for Public Schools Foundation of Monroe County Community Schools Founders Insurance Group, Inc. Four Corners Bistro Four County Community Foundation Fox Foot and Ankle Center Fox Valley Workforce Development Board, Inc. FPL Energy Frank Design Franklin Electric Co., Inc. Fraternal Order of Eagles #4299 Frazier Aviation Fred Needel, Inc. Freelance Robotics

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Friends of Hawaii Robotics

Friends of Middletown Robotics

Friends of Northwest Classen

Friends of Sidney High School

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Freescale, Inc.

Friends of 1923

Science

Freeside

Frenkel

G&L Tool Galvanix

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Gateway Gaylor **GBS** Hardware GCX GF **GE Aviation Systems** GE Oil & Gas GE Volunteers GE Volunteers of Aviation Systems GE Volunteers of GE Healthcare **GE Volunteers Twin Cities** Geeks and Nerds (GAN) **Gelfand Family Foundation** GenCorp Foundation Gene Tools General Automation General Bearing Service **General Devices** General Dynamics General Dynamics Advanced Information Systems General Dynamics Information Technology General Mills General Moly General Motors Arlington Assembly General Motors Battery Assembly General Motors Brazil General Motors Canada General Motors Canada Engineering & Product Planning General Motors Corporation General Motors Controls, Conveyors, Robotics &

General Motors General Assembly Engineering General Motors Global Product Operations **General Motors Grand Rapids** General Motors Grand Rapids Metal Center General Motors Israel General Motors Lansing Grand River Assembly General Motors MAAC General Motors Manufacturing General Motors Manufacturing Assembly & Automation Center General Motors Milford Proving Ground General Motors Orion Assembly Center General Motors Powertrain Group General Motors Powertrain North General Motors Ramos Arizpe General Motors Real Estate & Facilities General Motors Research & Development General Motors Research & **Develoment Operations** General Motors Research & Develoment **Engineering Operations** General Motors Romulus Engine Plant General Motors St. Catharines Powertrain General Motors Silao Genesis Automation Genik Incorporated Genisys Credit Union Gentex Gentle Giant Moving Company Genworth Financial, Inc. Geokon, Inc. Welding Group (CCRW) George Butler Associates General Motors de México, S Georgia Power Company Georgia Tech Research Institute Georgia Tech RoboJackets

General Motors Foundation Gerdau GH20 GHSP Gigunda Group Cindy Gilbert Gilbert Spray Coat Gilford Rotary Club Gill Industries Gillam & Associates Gilmore Consulting LLC Gilpin County Board of County Commissioners Giltak Technonogies Ltd. Girard Foundation Girls of Innovation GIT General Imaging Technology Givaudan Gladhill Brothers **Gladhill Tractors** Glendale Community College Global Group Services Inc Global Re-Source Funding GlobalAgendaGame.com **GM Nameplate** GMP Plating GNB Godwin Pumps Goethe-Institut Scott H. Goishi, DDS Golden Graphics, Ltd. Golden Spice Catering Goldman Sachs Goldstar Machine & Tool Abraham Goldstein and Lillie Goldstein Foundation, Inc. Gone Tropo, LLC Gonzaga University Engineering Dept. Good Plastics Georgia-Pacific goodbidding.org The Gerber Foundation

Goodrich Gorbel Graco Peter D. Fedor, M.D. Great Lakes Manufacturing, Inc.

Goodhue County Co-op Electric Great Plains Technology Center Foundation Great West Engineering Goodrich Aerostructures Greater Cleveland Partnership Goodrich-Ithaco Space Systems Greater Nashua FIRST Robotics, Inc. The Goodyear Tire & Rubber Company **Greater Salina Community Foundation** Greater Sydney High Schools Google Community Grants Fund of Tides Foundation Greater Texas Foundation Google Inc. The Brian Green Foundation Gopher Resource Green Car Auto Zoe & Steven Green Gorman's Gallery Greenguard Leotta Gordon Foundation Greensboro Teen Grant Making Foundation GovConnection, Inc. GreenSTEMs **Government Connections** Greenville Technical College Government Services IPT Greg's Cinema Custom Entertainment GR Investment Group Ltd. Griffin Land Group Alpha Solutions GrafTech Corporation Group Stahl Gragg Roofing and Construction LLC **Growth Industries Enterprises** Graham Foundation GRT-Mars Grainger Inc. Grundfos Yvette & Larry Gralla Grundmann Consulting **Granby Education Foundation** Grupo Andrade Grand Allegan Chevrolet Grupo Corazón Tecnológico y Grand Traverse Manufacturers' Golf Outing Científico de Chile Grand Traverse Radiologists, PC G-S Machine Shop **Grand Traverse Regional Community** GSD Group, Inc. Foundation **GT Pies Grandview Community of Christ Guardian Industries** Grandview Education Foundation Guerra Development Corp. Grandview Heights Marble Cliff Education Gulfspan Industrial Foundation Todd and Mari Gutschow **Granger Construction** Family Foundation **Graphic Systems Guyette Communication** Graphics & Sign Co. **Guyson Corporation** Great Lakes Eye Consultants, H & H Group, Inc

H I Solutions

H&W Foods

H. Rocker Electric

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Haberman Foundation





de R.L. de C.V

General Motors Detroit

General Motors Engineering

General Motors Flint Truck Assembly

Structural Development Laboratories

Hamtramck Assembly



Gerber Technology, Inc.

monysmartstdnts Brian Hostick Just saw #dontfailme on CNN. Can say from experience FIRST students GET IT! Science and tech are the future and the NOW! Well done! 15 May

Dr. Eileen Goodes

Goodfellow Corp.

Great Lakes Stainless

Great Minds in STEM

Great Plains Manufacturing

Hatboro-Horsham Education Foundation

Hatch

Hatch Mott MacDonald

Hawaii Air National Guard

Hawaii Space Grant Consortium

Hawaii State Federal Credit Union

Hawk Institute for Space Sciences

The Charles Hayden Foundation

HDT Engineering Services

Hearth and Home Technologies

The Hebrew University of Jerusalem -

The Rachel and Selim Benin School of

Computer Science and Engineering

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Hewlett-Packard Development Company, L.P.

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Hatton Mens Club

Hawaiian Airlines

Hawaiian Dredging

Haworth Inc.

HBL

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HE&M Saw

Heart 4-H

HECO

Hawaiian Electric Co. Inc.

HacDC Hackney Ace Hardware Hadley Design Halliburton Hallmark Cards Halton Learning Foundation Hamilton Farm Equipment Hamilton Sundstrand (a United Technologies Company) Hamilton Township Education Association (HTEA) Michael Hammer Hammerhead Construction City of Hammond Jerry & Jean Hammock Hammond Machine Works Hampton Roads Technology Council Hamrock Inc. Hanard Machine Hancock Pools Services, Inc. Handyman Hardware, Inc. Hankins True Value Hardware Hanlon Engineering The Hardwood Store of North Carolina Dr. Joe Hardy Harford Community College Harker Foundation Harley-Davidson of York Harmon Steel Inc. Harris Harris & Bruno International Harris Corporation Delmer & Ruth Harris Harris Manufacturing Harrison Research Labs Harro Hoflinger Hartford Public Schools Hartford Steam Boiler Inspection & Insurance Company Hart's True Value Hardware Harvest Foundation Harvey Industries Harvey Mudd College

hhgregg Inc. **HHS Robotics Booster Club** Hickey Family Hicks Orthodontics Hi-Cut Hida, Okamoto & Associates, Inc. Higgs Technical Consulting **High Point Solutions** High Tech Laser & Engraving Hill Air Force Base Hillman Brass and Copper Hillman Fastener Hill's Paint & Body Hilltop Hinckley Research Hitachi Hitachi Automotive Hitachi-powertools - s.Efrati HiTech Assets, Inc. **HK Plastics Hobin Construction** Hod-Assaf Industries Ltd. Hod-Hasharon Municipality Holiday Market Holland Town Center Hollow Steel Holt & Buabee Holy Trinity School Council The Home Depot Honda Engineering Honda of America Manufacturing, Inc. Honda of Canada Manufacturing Honda Research & Development Honeywell Honeywell Aerospace Honeywell FM&T LLC Honeywell Hometown Solutions

Honeywell International Inc.

Hooker Furniture Corporation

Honolulu Community College – Construction

ICC Engineering

Ice Industries

ICO Polymers

ICIS

Honeywell KCP

Honeywell-Tridium

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Hopewell Valley Education Foundation Icon Health & Fitness Horizon Milling ICSS Hoselton Foundation Idaho State University GK12 HostRocket.com Hot Box Pizza **IDEXX Laboratories** IDT HotChalk Houghton Mifflin Harcourt **IEC Electronics** IEEE Houldsworth Russo & Company Houston Community College **IEEE Canadian Foundation** Houston Dynamos IEEE Coulee Subsection IEEE Foundation Houston Endowment, Inc. Houston FIRST IEEE Section of Oral Roberts University **Houston Robotics** Ignash Petroleum, Inc. **Howard County Bright Minds Foundation** Ilan and Gavish **ILC** Alumni Association **Howard County Public Schools Howard Technologies** ILD Engineering Illinois Institute of Technology Howmet Alcoa HR Textron Inc. Illinois Manufacturing Foundation **HSBC Bank USA** Illinois Tech **Hudson Farm Foundation** Imaging for Women, LLC Huizenga Group IMG Photography Humber River Regional Hospital Foundation Impact on Education Hunter College High School Alumnae Imperial Valley Mesa Program Impulse Internet Services Hunter College High School PTA IMS Hunter Engineering McKinley, Madie & Callan Hunter IMT York & Bank of York Don Hurd & Family ImTech. Inc. Husaker and Associates Imtes-Almar Alüminyum Inalfa Roof Systems Hydraquip Hygrade Precast Concrete Incodema Hyram A. Jones & Sons Indian Peaks ACE Hardware Hytek Plastics Indiana Department of Workforce Development HyVee Indio Youth Task Force i3Detroit Industrial Electronics IAF Association **Industrial Hobbies** IAF – Depot 22 Industrial Metal Supply IBEW Local 280 Industrial Specialties Ibis Tek. LLC InDyne, Inc IBM Corporation Infineon IBM T.J. Watson Research Center

Infineum

InfoPlus

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Angelo Inglesia

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Intelligent Automation Inc Interactive Intelligence Intergraph Interlake Mecalux Intermec Corporation International Coal Group International Paper Corp. International Technology Solutions, Inc Intralox, LLC IntraWest Machine & Fabricating, Inc. Intuitive Surgical Inc. Inventory Sales Co. Iowa Fluid Power Iowa Space Grant Consortium IPEI Iridescent Iron Horse Development Irvine Automotive Products Iscar Island Automation Islander Group Israel Aerospace Industries Ltd., Lahav Division Israel Aerospace Industries Ltd., Malat Division Israel Aerospace Industries Ltd.. Ramta Division Israel Air Force Israel Navy Ship Yard Issaguah Schools Foundation Isthmus Engineering & Manufacturing ISU College of Engineering IT Kauai itaas Inc. Itasca Community College

ITC: Integrated Testing and Control ITEA ITI Technical College Itron, Inc. ITT ITT Industries ITT Power Solutions ITT Technical Institute ITT Technical Institute - Arlington, Texas ITT Technical Institute - Baton Rouge ITT Technical Institute – Tucson Campus Ituran ITW Drawform ITW Workholding Ivey Engineering Ivy Tech Community College Iwamoto & Associates, LLC IWD Transportation, LLC J Bambino J. Embedded J&F Machine J&T Electrical Supply Jackson Medical Mall Foundation Jackson State University School of Engineering Jacobs Engineering Group, Inc. Irwin & Joan Jacobs Jacobs Technology Jacobs Technology ROME Group Jacobs, ESCG Jaquar Affiliates of Southeast Michigan James Madison University James Madison University College of Integrated Science and Technology

James Madison University Education Outreach Janicki Industries Janssen Pharmaceutica Jarrett Welding Jasco Products Jav-Cee Sales & Rivet Inc JBT FoodTech jcpenney JE Dunn Construction J.E. Rice True Value JEA Jech Technologies Jeff White, CFP and Company Jefferson Adult Boosters Jefferson Lab Martha Holden Jennings Foundation Jennings Orthodontics Jerusalem Municipality Jervis B. Webb Company Jet Propulsion Lab JetBlue Airways JETS J.F. Ahern Co. J.J. Jinkleheimer & Co. JLP Enterprises LLC J-M Distributors JMK Tool JoAnn Wine & Assoc. John Deere John Deere Horicon Works John Deere Waterloo Operations

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Johns Hopkins Pathology



New Hartford RoboSpartans FTC 4082

August 9 at 11:25 am

We moved into FTC in 2010 after 2 great seasons of FLL. We're in awe of Jr.FLL'rs who present at our regional FLL tournament. We've made it our mission to encourage new FTC teams in Central New York as they age out of FLL. Can't say enough about how FIRST has transformed our team members – Bob & Lisa Payne, Coaches

Haskins Inc.

J.W. Faircloth & Son K&G Tool G. Michael Kabot, DDS, MS Kai Media & Marketing Kamag Kaman Industrial Technologies Kansas City Missouri School District Kansas City Power & Light Dean Karl & Verna Lou Reid Karl Mey's Collision & Paint Center Kastle Grinding Kathman Electric Co, Inc. Kathy's Music **Ewing Marion Kauffman Foundation Kaydon Bearings** Kaz Inc. KBR, Inc. KC BANCS **KC** Machine KCP&L Kearney Commercial Bank Kearney Lions Club Kearney Optimist Club Kearney Rotary Club Kearney Trust Company KEDB

The Keenan Foundation Keihin Michigan Manufacturing Kellogg Inc. Kelly Aviation Center (a subsidiary of Lockheed Martin Corporation) Kemps, LLC Kendall Electric Inc

Kennedy Associates Kenton Elks Lodge 157 Ken-Tronics Kentucky Engineering Foundatior Kepco Inc. Kettering University Key Bank

Key Foundation

Key Technologies Inc

Kfar Yona Municipality Msgt. Gary Kimball Kimball Office Kimberly-Clark Corporation Kimray King of the Bosphorus KingFisher Systems, Inc. Kingman Powerhouse Kiwanis Kingman Regional Medical Center Kionix Kirk England – State Farm Insurance Kirtland Community College

Kitchell KIUC Kiwanis Club Kiwanis Club of Cheshire Kiwanis Club of Cleveland Kiwanis Club of Danville Kiwanis Club of Fabulous Fond du Lac Kiwanis Club of Ramona Kiwanis Club of Riegelsville

Kissick Family Foundation

Kiwanis International Klein Tools Klimisch, Inc. KMT Robotic Solutions KnappWerks

Knights of Columbus Knights of Columbus Council #7612

Knights of Columbus Council #7561 Knights of Pythias

Knorr Brake Corporation Kodiak Roofing Kenneth Koga **KOH** Institute Kohler Company

Kohl's Kokoleka Chocolate Komax Group Koop & Burr Insurance

Kootanei Electric Korvis Automation Kostal

KPMG K.R. Saline & Associates, PLC.

Kram Endeavors Kramer Kratos Defense The Kroger Company KTM Services Inc

KTS Tooling Kuka Assembly & Test Steve & Deborah Kula Gordon Kuwada

Sherrard Kuzz LLP L D, Inc.

L-3 Communications L-3 Communications Integrated Systems L-3 Communications Narda Microwave

L6 Technologies, Inc. La Crescent Community Foundation La Crescent Rotary Club

Laadt and Freiser Labconco Corporation The Label Printers

Laboratory for Atmospheric and Space Physics Labsphere, Inc.

Ladish Co. Lafayette Auto Supply Laird Plastics Lake Bank

Lake Country Women's Club Lake Country Woodworkers Lake Eustis Community Foundation

Lake Michigan College

Lake Professional Engineering Services Lake Region Medical

Lake Superior State University Lake Surgical Association

Lake Zurich Bear Boosters Lakeshore Arts Alliance Lakota Robotics Boosters

Lam Research Lamar Advertising Company Lamar Alumni Association Lamberville Do It Best Hardware Lamination House Marguerite Poindexter LaMotte, Board of Education Member, District 1

Lanco Assembly Systems Lane Blueprint Lange Moving and Storage

Lapeer County Community Foundation Lardner Elevator Company Laredo Women's City Club

Larsen Design The Laryat Company

Laron Incorporated

Las Cumbres Observatory Global Telescope LASA Robotics Association

Richard Lasbury, DDS Laserflex South Lasersmith

Latino Business Connection Law Office of Mark Dent Lawai Cannery

Lawrence Technological University

LCF Amps LCF Enterprises

La-Z-Boy Inc.

Le Boulanger Bakery Timothy A. and Amy B. Leach Charitable Fund

Lear Corporation Learning Train LLC Ledo's Pizza

Marie LeDoux Foundation Lee Manufacturing Lee's Summit Hy-Vee

Legacy Village Fund Leis Machine Shop Leisure Concepts Incorporated

Leon County Schools Leonard Gelfand Center for Service Learning and Outreach Les Schwab Tire Centers

Leslie Zola Science Scholarship The Lesyna Families LeVic Plastics

Lewis Marine Supply of Greenport

Lewiston Lions and Lionesses LFR, Inc.

Lian-Mueller Enterprises Liberty Robotics Foundation Liberty Township

Liebherr Mining Equipment Lifetime Portable Buildings, LLC

Mr. & Mrs. Ligon The Linde Group The Linley Group Linn-Mar Foundation Lio Lapa'au, LLC

Lion Brothers Corporation Litchfield Bancorp

Litchfield Education Foundation Livernois Vehicle Development

Lloyd Industries LMI Aerospace, Inc.

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Los Angeles City Councilman Bernard C. Parks Los Angeles County Regional Occupation

Dr. Richard & Ann Lowery

Program Los Angeles Trade Technical College Loucon Metals Lower Merion School District

Lowe's Companies, Inc. Lowe's of Menlow

Loyal Business Machines LR Cannon Enterprises

LRIG LS Mold & EDM LSI Logic

LSUS Luck Stone Corporation Ludlum Measurement

Tom Ludorf Lufkin Industries Lufkin Rotary Club Lund Engineering Luray Copy Service

Lusk Metals and Plastics Lutron Electronics, Inc Lux Manufacturing Luzadder Inc.

LXE LynnTech Dr. Lyons

M. Welding Creations and Industrial Finishing

M3 Engineering Mac Tools MAC Valves

MacArthur Associated Consultants, LLC

Machinists Inc. Macquarie University Mactrek Consultants Macy's Foundation

Mad Science of Clemson Madison Children's Museum

Maersk Line Limited MAES Maggiano's

Magma Engineering Company Magna Automotive Seating Magna Mirrors

Magna Sealing and Glass Systems MAIN Manufacturing Maine State Credit Union Mainstream Engineering Make Great Things Happen Trust Mallcraft Construction

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Manhattan College

Manhattan College School of Engineering

Manik and Smith Manitowoc Crane Mantz Automation

Manual Arts High School NEMO

Manufacturing Sciences Mapek Makine Sanayi Ltd. Şti. Maple Leaf Sciences, LLC Maple Valley Rotary

Marathon Oil Corporation Marathon Oil Corporation,

Michigan Refining Division Marathon Petroleum Co., LP Marcus Corporation

Mariani's Inn & Restaurant Marine Group Boat Works Mariner Mart Corporation

Marionville Library Marketplace True Value Marquette University

Marquette University College of Engineering Marriotts Ridge High School Boosters

Marshall E. Campbell Co. Martin's Metal

Martinsville City Schools Marvin Lewis and Associates, Inc. Marvin Windows

Mary Washington Health Care Maryland Space Consortium Sue Mason

Mass Bay Engineering

Maspeth Press Inc.

Massachusetts Institute of Technology Master Carpet Care

Master Pneumatic, Inc. MaTech, Inc.

Matson Robert Matteri, MD Maui Divers of Hawaii

Maui Economic and Development Board (MEDB)

Maui Electric Co., Ltd. Maxbotix

> MaxFab May Technology & Manufacturing Inc.

Mayo Clinic MB&R Engineering

> McAllister Technical Services McCasland Foundation McConnell, Montalvo & Assoc. Inc.

McConnell's Fine Ice Cream and Yogurt

The McGraw-Hill Companies

McHale Creative

McKesson Corp.

MCL Holding Ltd.

McInerny Foundation

MCL Machine - Tools

McLaren Health Care

McMahon Foundation

MDM Architects

MDR Precision

ME Engineering

Mechanical Inc.

MCNC De Anza College

MDA Information Systems

Mead Johnson Nutritionals

Representative Jeff McLaughlin

Kary McCord Mentor Search McCormick Family Foundation Mercado Latino John McDermott Family Merced Philanthropic MCE International, Inc.

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Mercury Computer Systems Inc.

Mercury Marine Meriden Board of Education

Meridian Services Meridian Title Corporation

Merovan Office Center Mesa Yapi MESI

Metal Casting Technology

Metal Flow The Metal Store Metal Supermarkets Metalaser Metalco

Mecklenberg Electric Cooperative MEDB Ke Alahele Education Fund Medco Health Solutions

MediaFLOW LLC MediaTrik

Medical Device Solutions

MediVector Medtronic Medtronic Navigation

MegaPath

Meggitt Polymer Solutions Meggitt Training Systems US

Meijer, Inc. Herman & LaDonna Meinders Melfred Borzall

Mellen Company Memorial Robotics Booster Club

Menashe and Sons Mendon Foundation

Mentor Graphics Corporation

Mentor Corporation

Mercedes-Benz of Oklahoma City

Michigan Engineering Zone (MEZ) Michigan Institute of Technology Inc.

> Michigan Technological University Microchip Technology Inc

MicroDag.com Ltd Microline Technology Corporation

Micron Foundation Micron Products, Inc. Micron Technology, Inc.

Metapurple Ltd.

Meteksan Sistem

Metrican

Metcraft Industries, Inc.

Metro Sports Association

New York City

Meziere Enterprises

Fred Meyer

MG Chemicals

MGS Machine

Michelin

Miami University

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FutureFAE Mark H. 7-8 year kids from our Junior @FirstLegoLeague brainstorm just like this! Amazing to watch.

FINANCIAL5

In our fiscal year 2010-2011, *FIRST* once again provided consistently high quality experiences to the rapidly growing number of participants engaged in its progression of programs. Contributions remained strong again as many individuals, small businesses, corporations, and foundations continued or increased their support and new Sponsors joined *FIRST*. This is a continuing testimony to how essential the *FIRST* programs and mission are to thousands of youth, to their futures, and ours.

Once again, 88 percent of funds spent this fiscal year were for team services and and growth of programs; general and administrative expenses comprised 10 percent; and fundraising costs were only 2 percent, reflecting the *FIRST* long-time practice of applying the maximum amount of funds possible to directly benefit *FIRST* teams and their supporters.

The financial results for the last two fiscal years are summarized on the right. FIRST received an unqualified opinion for each of these years from its independent auditor, Berry Dunn.

STATEMENTS OF ACTIVITES JUNE 30, 2011 JUNE 30, 2010 Revenues and other support: \$ 14,074,525 \$ 14,843,617 Program registration fees 15,615,389 14,976,448 Contributions and grants Rental income, net of expenses 158.845 195.152 429,425 609.300 Other income 25.017 Special project, net of expenses of \$889,145 in 2011 4,347,633 Net assets released from restrictions 11,007,189 **Total revenues and other support** 41.310.390 34.972.150 Expenses: 29.310.219 23.313.034 FIRST Robotics Competition (FRC) FIRST LEGO League (FLL) and Junior FIRST LEGO League (Jr.FLL) 3.989.305 3.835.473 1.301.130 1.132.089 FIRST Tech Challenge (FTC) 110.022 89.192 FIRST Place (FP) General, administrative and supporting services 4.677.870 3,893,127 Operation of building 192,786 211,576 382,435 386.744 Depreciation Total expenses 39.963.767 32,861,235 1,346,623 2,110,915 Operating surplus STATEMENTS OF FINANCIAL POSITION Assets: \$10.937.861 \$ 8.616.907 Cash and cash equivalents 6,559,528 7,046,728 Short-term investments 8.183.290 7.942.107 Pledges, receivables, and other assets 3.579.012 3.779.335 Net property, plant, and equipment 29.259.691 27,385,077 Total assets, end of year Liabilities and net assets: Total liabilities 4.015.048 2,972,348 Net assets: 14.547.673 13.201.050 Unrestricted 10.696.970 11.211.679 Temporarily restricted for programs 25.244.643 24,412,729 Total net assets, end of year

The financial information presented here is condensed and does not include the value of all donated services and materials. Audited financial statements (AFS) are available on the Web site at www.usfirst.org under "ABOUT US/Annual Report & Financials." Certain amounts reported for 2010 have been restated. For details, please refer to the accompanying notes which are an integral part of the AFS, at the above Web address.

\$ 29,259,691

Total liabilities and net assets, end of year

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FIRST gratefully acknowledges the contributions of those members whose service has concluded: Deborah L. Grubbe and Ronald L. Zarrella (Board of Directors); Peter Gould (Executive Advisory Board).

Listing current as of March, 2012

Championship photography by Adriana Groisman and Argenis Apolinario. Official White House photo by Pete Souza. Brad Miller photo by Lipofsky.com. Other images courtesy of FIRST teams, Volunteers, and Sponsors.



VISION... "to transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders." Dean Kamen, Founder

MISSION... to inspire young people to be science and technology leaders, by engaging them in exciting Mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

IMPACT... FIRST participants are 50 percent more likely to attend college, twice as likely to go on to major in science or engineering, and three times as likely to major specifically in engineering.

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