Igniting young minds.

"It makes you feel if you try hard enough, you can do anything." *FIRST* Team member





FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY FIRST

What's *FIRST*?

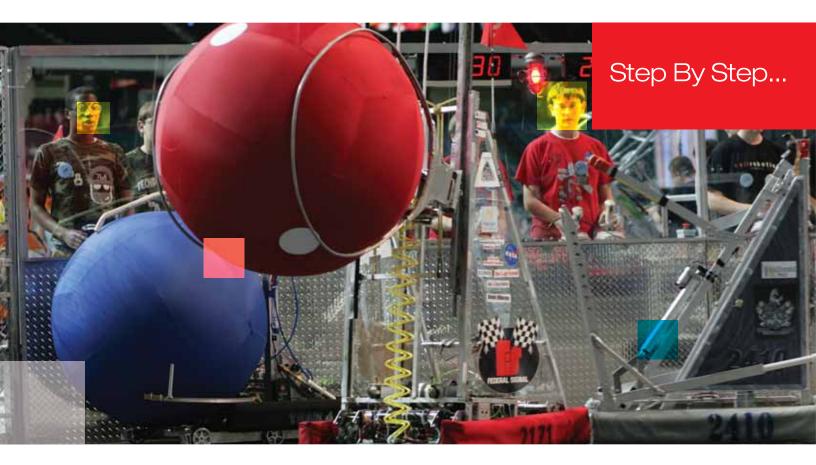
As the world moves ever closer to a true global economy, the challenge to develop a lasting interest in science and technology in the world's young people has never been greater. This is what will propel our collective future. And that's what *FIRST*[™] is all about (For Inspiration and Recognition of Science and Technology). As founder and renowned inventor Dean Kamen explains, *"FIRST gives kids the opportunity to develop the muscle between their ears; to gain experience that will directly affect their future and our future as well."*

A youth inspirational tool

Founded by Kamen in 1989 to "turn young people on" to career opportunities in science, technology, engineering, and math, this 501(c)(3) not-for-profit organization designs accessible, motivational programs that combine team work, competition, and just plain fun to help build self-confidence, knowledge, life skills, career paths, and a sense of "Gracious Professionalism." In 2008, with the tireless assistance of more than 73,000 committed volunteers, close to 160,000 young people from every U.S. state and 37 additional countries were introduced to the joys of problem solving through engineering.

A meeting of amazing minds

Tapping into the selfless support of thousands of volunteers, mentors, sponsors (including some of the world's largest – and smallest – companies), educational institutions, and government, teams on average from five to 25 students in four different age groups accept the challenge to fund, design, build, and compete with robots of their own creation in local, national, and international contests. Some win medals and substantial scholarships, but everybody wins new friends, skills, confidence, and untold personal rewards.



"We are in a heated competition for the hearts and minds of kids, fighting for their attention in a world that too often points them in the wrong direction."

Dean Kamen, FIRST Founder

An agent of cultural change

But FIRST is much more than a "techie" competition. It's a cultural agent of change that brings all kinds of people together in a multi-generational, multi-talented, multinational way to make an impact on how kids think about themselves and who they choose to admire. Some team members will design and build a robot entry. Others will raise funds and create publicity. Still others will create team names, logos, and competition outfits. The skills they learn along the way all but guarantee them extraordinary career opportunities in a host of exciting fields.

A way to give back

FIRST also represents an exceptional opportunity for motivated individuals, institutions, and corporations to get involved in the promise of tomorrow. As you learn more about FIRST in these pages, we hope you will consider joining us in our quest to change the world for the better, one young mind at a time.

FIRST skills never stop building, starting in elementary schools and continuing through middle and high-school levels. As students progress from one level to the next, they bring with them mastered skills and concepts to aid in the challenge of learning new and more difficult ones.

S LL IT LEGO' Leegue		FILL FIRST LEGO-Lengue
S	6-9	Ages
llenge	Construction and Research	Challenge
dware Iponents	LEGO® Education Simple & Motorized Mechanisms Set	Hardware Components
iplines	General Science and Technology	Disciplines Competition
ipetition	Thematic Design/ Model Building Show-Me Poster	Software/
ware/ dware	None	Hardware Teaches
ches	Basic STEM* Interpersonal Skills Building Skills Team Work Interactive Problem Solving	icacitos

Ages

Chal

Hard

Com

Disc

Com

Soft

Hard

Teac

STEM stands for Science. Technology, Engineering, and Mathematics



9-14



0 14
Construction and Thematic Solution (cause & effect)
LEGO [®] MINDSTORMS [®] Education Robot Set
STEM*
Thematic Problem Solving Research Project Exhibition and Robotic Competition
LEGO [®] MINDSTORMS [®] Education NXT-G
Basic Control Cause & Effect Team Work Research & Presentation Critical Thinking

learning experience		100%	
ALS ANTI		4	
- Ale	FRC	- Linear	

EIRST FACTS 2008

FIRST Tech Challenge	1000 P	
Ages	High School	
Challenge	Pre-Engineering (real-world	

engineering challenges) Hardware Pitsco TETRIX[™], LEGO® MINDSTORMS® Education Components Robot Set, Sensors and Controllers Disciplines STEM* Competition Real-World Competitive Challenge/Sporting Event

Software/ Hardware

Teaches

Programming Sensor Usage Advanced Control Engineering Method Real-Time Prototyping Project Management Industrial Design Team Work Tactical Thinking

LabVIEW™

NXT-G

ROBOTC

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Youth participants	160,000 (ages 6-18)
Mentors and volunteers	73,000
Number of hours donated by volunteers	5,671,400
U.S. States participating	50
Countries participating	37
FRC recognition	50,000 medallions, 2,200 trophies
Scholarships available	555 worth close to \$10,000,000
Corporate sponsors	3,500
FRC donated parts	462,398
Number of robots constructed	13,241
Growth of <i>FIRST</i> participation (over 2007)	23%
Participants who have a meaningful	



3?(• Ages

Challenge

Components

Disciplines

Competition

Software/

Hardware

Teaches



High School

Engineering for results; industrial grade up to 130 lb robots

FIRST Radio Control Set, Sensors and Controllers, Motors, Advanced Visual Systems

STEM*

Sporting Event

LabVIEW™, C++, CompactRIO

Advanced Control Engineered Product for Real World **Engineering Constraints** Industrial Design Project Management Team Work Time & Project Management Reliability Strategic and Tactical Thinking Co-opetition

Dean Kamen & John Abele

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Founder's & Chairman's Letter

With the 2008 election year behind us, the importance of repairing our fragile global economy, combating the effects of climate change, replacing fossil-fueled energy production, and addressing worldwide public health needs has reached new heights of awareness. Many scholars agree that new discoveries and improvements in science and technology will be the essentials needed to meet all of these challenges head on. But the single most important challenge will be to produce the innovative, passionate scientists, engineers, and technicians who will show us the way. There will never be a shortage of opportunities for people who know how to solve problems.

As adults responsible for the success of future generations, we need only to ignite youthful passion for the wonders and joys of science and technology. But not enough of those young people will stay in school. Or go on to college. Or find a mentor to guide them. That's why the "cool factor" of *FIRST*, which attracts young people, has been and will continue to be so important. Its future is self-sustaining. Our "secret sauce" is inspiration...fueling one generation's imagination to spark the next. As adults, thousands of students who come through the program re-ignite the passion in their communities, schools, and corporations.

2008 was a record year for *FIRST* participation and volunteering. To keep the fires burning, to inspire those uninhibited explorers of the unknown, we'll need more of you in the future. Recent studies on volunteering* conclude that for most people, it isn't about having the time to volunteer, but having an opportunity to volunteer for something important and lasting. The passion we've seen in *FIRST* mentors and volunteers mirrors that. Working with kids of all ages and watching them discover and use their own talents to solve problems is infectious. Year after year, the inspiring stories we hear from *FIRST* volunteers, mentors, teams, and communities filter into schools and workplaces, planting the seeds for our next wave of volunteers and supporters. Will you be among them? To every mentor, volunteer, sponsor, parent, and team member, thank you for your passion, time, effort, and contributions. *FIRST* will continue to grow because there are so many people like you.

Dean Kamen, *FIRST* Founder

John Abele, FIRST Chairman



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Paul R. Gudonis & Dr. Woodie Flowers

"At the end of the competition, the robot goes into a crate in someone's garage, but it's the students who carry on that education, that drive, that motivation."

> Jennifer Harvey, Teacher Novi High School, Michigan

President's Letter

Igniting young minds, indeed. Now in our nineteenth year, *FIRST* also continues to ignite the passion and generosity of teachers, parents, volunteers, business people, and whole communities alike. Thanks to our 73,000 volunteers who inspired us by serving as engineering mentors, tournament organizers, fund-raisers, judges, referees, pit supervisors, drivers, emcees, and dozens of other jobs, we accomplished another record year!

The impact of *FIRST* continues to be huge. Middle-school teams in the 2007 *FIRST* LEGO® League (FLL) identified an estimated \$120 million in annual savings from their energy audits. Research on the *FIRST* LEGO League and *FIRST* Tech Challenge (FTC) programs shows that 90% of the team members have gained a greater appreciation of science and technology and developed a greater interest in these fields as a direct result of their *FIRST* experience. But perhaps one of the most impactful findings came from George Lazar, a teacher/team mentor from Warren, Ohio (*FIRST* Robotics Competition Team 48, "Delphi E.L.I.T.E") who told me that in the last 10 years, 100% of Team 48 members have completed high school and gone on to higher education or the military, this in a city where only about 50% of incoming freshmen graduate from Harding High School with their class four years later. He explained that *FIRST* Robotics Competition (FRC) members were not a different group of kids; they just discovered a new set of opportunities, thanks to all of the adults who mentored the team during those years.

FIRST continues to mushroom with new teams forming every day worldwide. The 2008/09 season will see newly designed robotics kits, advanced control systems, five new FLL events in three countries, 10 new FTC events in the U.S., as well as new FRC Regional events in Washington, D.C. and Dallas, Texas. It promises all of us another year of inspiration, perspiration, and as Dr. Woodie Flowers says, "the hardest fun you'll ever have." Thanks for being part of our efforts to ignite young minds everywhere.

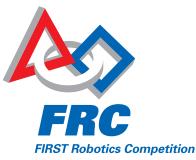
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Paul R. Gudonis, FIRST President





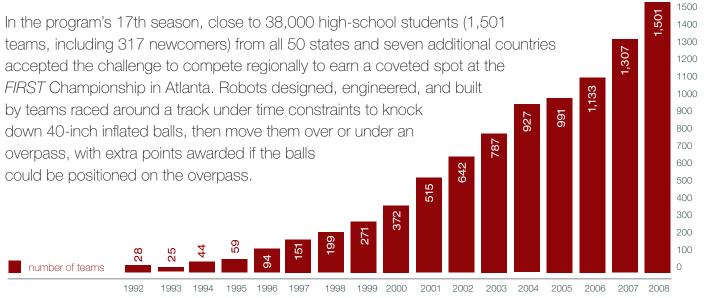
Blaze





"I had no opportunities in the past. I didn't have an interest in building robots and engineering and all that stuff. Now it's opened up a whole new world for me."

> Alicia Coates, Student SIA Tech High School, Hawaii



Seventeen years of participation growth in the U.S. and around the world exemplifies the ability of *FIRST* to inspire, challenge, teach, lead, and change the lives of students, mentors, and sponsors alike. The program's experiences give young people the tools to build an extraordinary life and career, and, ultimately, a better society.





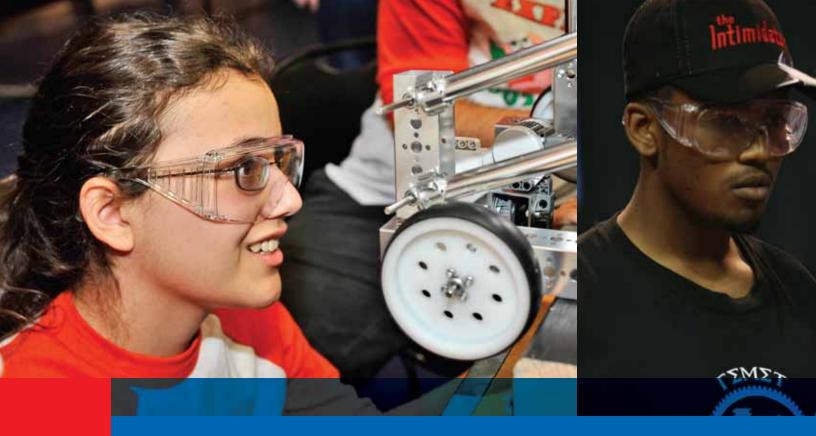
Engineering passion and a love for children. Ernie DiCicco FIRST Robotics Competition Profile Ernie DiCicco, New Jersey

Combine engineering passion with a love for children and you get dedicated volunteer Ernie DiCicco, a programmer for ABB, Inc. Becoming an advisor to his son's 1997 FRC team was the perfect marriage of his interests. Ernie became so hooked on *FIRST*, he eventually developed a *FIRST* program for middle schools throughout New Jersey, became chairman of the New Jersey *FIRST* LEGO League Planning Committee, and a head technical judge at the FLL's tournament finals. Now that's commitment. "I dropped off some snacks to Michael's school team one night," he explains, "and I never left." "It all comes down to being able to work successfully on a small project without enough time, money, and resources — all the skills needed to be successful in business. I take things I've seen in my career that work correctly and try to impart that knowledge to the kids. I love to see their faces light up when they solve a problem and are able to explain it. It really makes you feel like you've had an impact on their lives."

FIRST has become a family affair for the DiCicco's, with younger son, Matt, an FRC participant (leading to Carnegie Mellon, MIT, and a job at NASA!) and wife, Gail, an FLL team advisor.

"We need more kids like you...The fact that you're here means you worked through your problems, you kept after it, you tried new approaches, and you shared ideas. Most important, you did not give up." President George H. W. Bush





Ignition

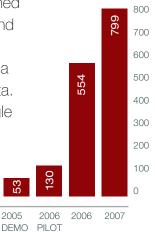




"The type of student in FIRST is the type of individual I want to run my company."

> Sylvia Little, Sr. Research Engineer Kimberly-Clark

FIRST Tech Challenge, the challenging, mid-level robotics competition designed for high-school students, attracted 8,000 students from the U.S., Canada, and Mexico in teams of 10 guided by adult mentors. Using real-world math and science concepts, teams designed, built, and competed with robots to earn a spot among 100 teams competing in the FTC World Championship* in Atlanta. "Quad Quandary" challenged them to place three-inch rings on movable single or paired goals, side goals, or posts, with extra points scored for moving single or paired goals into an alliance's playing field quadrant.



In just four years, *FIRST* Tech Challenge has attracted many new schools and participants across the country. FTC is reaching out to new geographic areas, offering more students a chance to participate in a team sport, broaden their horizons, and rethink math and science as fun challenges that can blossom into successful careers.



It is only with the support and dedication of people like Michael Coleman that *FIRST* can carry out its mission.



FIRST Tech Challenge Profile Michael Coleman, Florida

Engineer Michael Coleman was looking for an extra-curricular activity with an academic focus for his children when he stumbled upon an FLL team exhibit at an FRC Championship. In a matter of minutes, he was sold and so began his affiliation with *FIRST* in 2002 as an FLL coach. Since that time, Michael has worn many *FIRST* hats — including mentor, coach, volunteer, and event organizer.

In 2006, when *FIRST* opportunities beyond FLL did not exist in his region, Michael established the state's first FTC event and developed teams to support it. Today, Michael organizes events for 49 FTC teams across Florida. He has helped bring *FIRST* to groups of young people who typically do not have access to these opportunities. Michael helped organize an FTC event for juvenile offenders and arranged a robot demonstration at the Disability Mentoring Day Fair for students with disabilities.

echnology.org

"Using the sports model with robotics to get students interested in science and technology is a wonderful idea. I started coaching FLL teams so that my four children could learn that math, science, and engineering are fun and exciting. I also wanted my children to learn about Gracious Professionalism and *co-opetition*."

"The hardships didn't stop any of them. They just wouldn't stop learning and we couldn't stop teaching. The kids were an inspiration to all of us."







Ember





"You know when they get it – you just see it on their face. That's why I do this."

> Steve Roth, Teacher, Robotics Advisor Cole Middle School, California



1999 2000 2001 2002 2003 2004 2005 2006 2007

In the 2007 season, *FIRST* LEGO League celebrated 24% participation growth over 2006. *FIRST* thanks collaborators Gulf Coast Combined Heat and Power Application Center, the Department of Chemical Engineering at the University of South Carolina, and Second Hill Group, an independent energy and environmental consultant, for their inspired help in creating the 2007 FLL "Power Puzzle" Challenge, designed to engage students in authentic scientific research and hands-on robotics design.

1998





"I owe this 11-year-old girl, Tesca Fitzgerald, so much for being an example of 'Yes, you can do it'..." FIRST LEGO[®] League Profile Tesca Fitzgerald, Oregon

Chrys Griffing, volunteer judge for the 2008 *FIRST* LEGO League World Festival, knew immediately he had an amazing team to interview — the Fire Breathing Rubber Duckies, an all-girl team with yellow shirts, duck hats, and inflated duck inner tubes.

The team's lead programmer, 11-year-old Tesca Fitzgerald, explained the program she had developed. "Their robot comes back to base," explains Chrys, "the team picks the 'head' off, sets it on a different chassis, and the robot decides where to go based on what sensors were tripped." Tesca had flowcharts to describe what would happen when each sensor was triggered. "She appeared to know what she was talking about and wasn't just working from a script." Turns out being eleven years old did not define Tesca. She was a freshman in high school, had been programming since she was six, knew four different software languages, and was working as a part-time programmer for her father's employer.

"I want to take every chance I get to encourage them – not to just live up to the expectations that we have for them, but to blow the roof off of those expectations," said Chrys. "I owe this 11-year-old girl so much for being an example of 'Yes, you can do it!' to kids who doubt their own ability to finish or excel."

"Overnight, they were asking and trying things none of our testers ever dreamed of after six months of development. We know we are all in for a treat as these kids move up through society."



Scott Evans, FLL Challenge Developer FIRST



Kindling

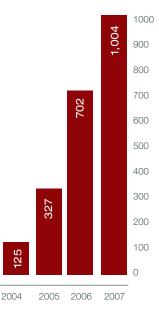




"FLL is a tremendous way to get kids to think about ways to solve problems."

> Paul Williams Rhode Island Department of Education

Working in teams of six, students ages six to nine worked with traditional, open-ended LEGO bricks and moving parts to create suggestions on improving energy efficiency and exploring energy sources in their community. In 2007, over 1,000 teams participated in the junior version of FLL's "Power Puzzle" Challenge, a huge 43% jump over 2006 and the fastest-growing segment of the *FIRST* programs. In addition to introducing youngsters to the excitement of science and technology, Jr.FLL widened its view in 2007 by allowing all teams the opportunity to coordinate their own events, increasing team interaction and building greater team recognition.



number of teams

In 2007, only its fourth season, national interest in Jr.FLL mushroomed, with many states hosting large events. California, Massachusetts, Michigan, New Hampshire, New York, Pennsylvania, and Texas are all areas with a strong Jr.FLL presence.





Mallika Winsor is passing the torch to our youngest generation. Junior *FIRST* LEGO[®] League Profile Mallika Winsor, Connecticut

With her grassroots efforts to share the excitement of science and technology, FLL alumna Mallika Winsor is passing the torch to our youngest generation, bringing *FIRST* values to life and changing our culture in the process.

Seventeen-year-old Mallika is truly remarkable. Over the course of many months, she worked to engage her community in establishing a Jr.FLL presence, forming partnerships with the Stamford Public Education Foundation and the Parent Teacher Council of Stamford as primary supporters. Advertising Jr.FLL to all area elementary schools, she inspired the formation of 26 Jr.FLL "neighborhood" teams and organized her high school peers into a cadre of "Junior Mentors" who provided mentorship assistance to the parent volunteer coaches. She also helped organize and run a Jr.FLL expo that was attended by 20 teams and more than 200 spectators.

"We motivate kids with the same kinds of rewards as sports—cool medals, exciting championships, huge scholarships, great friends, and dedicated mentors—but we do it in a way that is accessible and lasting."

Dean Kamen, FIRST Founder



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 our 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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Mark Breadner 2008 Woodie Flowers Award Recipient

Since the inception of FRC Team 188 in Toronto, the very first FIRST team in Canada, Mark Breadner has been an indispensable source of FIRST leadership and inspiration, not only in his native country, but around the world. As a devoted teacher, he helped found 74 teams in Ontario, and went on to create his country's first-ever FRC Regional event.

Mark's passion for FIRST led him to a three-year sabbatical from teaching to become Canada's Regional Director. In this role, he created a funding program so that every public high school in Toronto could start a FIRST team, bringing Dean Kamen's dream of having a team in every high school closer to realization.

Today, as vice-principal of Woburn Collegiate Institute, Mark continues to play a critical role in establishing connections between the team and its community. As a team mentor, Mark's guidance has helped countless students fulfill their true potential. His legacy includes several former students whose careers led them into engineering, science, and technology disciplines. In reality he is a mentor to every Canadian team, as evidenced in the standing ovation he receives at every Canadian FRC event.

For his outstanding ability to communicate, his wisdom in relating to young people, and dedication to FIRST, Dr. William P. Murphy, Jr. and Small Parts Inc., who sponsor this award, and the entire FIRST community congratulate Mark Breadner, the thirteenth recipient of the Woodie Flowers Award.





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Dean Kamen receives

prestigious LEGO Prize

In April, 2008, the 10th Anniversary year

of the founding of FIRST LEGO® League,

founder Dean Kamen received the LEGO

FIRST. Kjeld Kirk Kristiansen, LEGO Owner,

"We are particularly proud to be able to

honor Dean Kamen for his personal and

and learning. Children learn best when

untiring commitment to child development

new knowledge is presented in play form,

and in founding FIRST, Dean has created

through systematic, creative play - helps

children and young people understand and

appreciate science and technology. We say

that the future belongs to our children, and

Dean Kamen plays an immensely important

role in creating a better future - harnessing

that children and young people experience

through involvement in FIRST programs."

The LEGO Prize, founded in 1985, is

awarded to individuals and institutions who

have made an extraordinary contribution

on behalf of children and young people.

Past recipients include individuals Astrid

Lindgren, Paul Newman, John Feierabend,

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Each year, *FIRST* Founder Dean Kamen presents the Founder's Award to a company, individual, or entity that does something extraordinary to help *FIRST* keep growing and to keep its mission focused.

In 2003, BAE Systems became involved with *FIRST* as sponsor of a single *FIRST* Robotics Competition (FRC) team and as the sole sponsor of the FRC Regional and *FIRST* LEGO League (FLL) State Tournament events in New Hampshire. In 2008, BAE Systems agreed to a strategic partnership with *FIRST*, making an additional \$1 million donation of money, resources, and employee volunteering. The company supported 60 FRC teams, seven FRC Regionals, the FLL tournaments in New Hampshire, and offered college scholarships for *FIRST* students attending select universities across the U.S.

Under the leadership of President and CEO Walt Havenstein, BAE Systems sets an unbelievable example of what corporate America can do. A member of the *FIRST* Board of Directors, Havenstein tirelessly supports *FIRST* with his time and efforts. He is also a role model for tens of thousands of engineers in his own organization.

"FIRST is the best hope I know of for regaining the cultural leadership necessary in science and technology leading to engineering that we so desperately need for our future workforce and our future economic viability...This is the only sport I know of where everybody who plays can become a pro. We are counting on each and every one of you."

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FIRST is all about educational opportunities. In 2008, all *FIRST* Robotics Competition team members were eligible for 555 individual college scholarships, valued at \$9.8 million. Over 70% of these scholarships were also available to students participating in the *FIRST* Tech Challenge.

The majority of *FIRST* scholarships are provided by colleges or universities for enrollment at their campuses. The remainder are provided by corporations and professional associations and are awarded for use at any school. In 2008, *FIRST* attracted 109 scholarship providers, a dramatic 40% increase over the previous year.

Some *FIRST* scholarships are awarded for special majors such as engineering, math, science, computer science, design, 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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Hyundai-Kia America Technical Center, Inc. IAF Association IAF Depot 22 IAI lannelli Construction Co., Inc. IBEW Local 180 IBEW Local 280 IBM IBM T.J. Watson Research Center IBT Industrial Bearing Idabel Foundation for Academic Excellence Idaho National Laboratory Idaho State University Idaho State University GK-12 Identity Eye Wear Identity Resort Wear I.D.F.A. IDEO IDF 108 IEEE (Institute of Electrical and Electronics Engineers) IEEE (Institute of Electrical and Electronics Engineers), Hawaii Section iaus. Inc ILC Alumni Association ILC Dover Inc. Illinois Manufacturing Foundation Illinois Tool Works Immunicon Impact On Education Imperial Valley MESA IMPIS Robotics Corporation IMS IMT York & Bank of York Independent Lumber Index Robótica Indian Peaks ACE Hardware Indiana Department of Workforce Development Indiana University-Purdue University Indianapolis Industrial Metal Supply Infineum Infrared Remote Solutions Inland Tool Inmarsat Innovation Vinyl Windows Innovative Dynamics, Inc. Innovative Metal Works Innovative Signs Insight Technology, Inc. Instrument Society of America Integralis Intel Corporation Intelitek. Inc. Intellectual Property Research Intellectual Ventures Intelligent Automation, Inc. Interactive Communications Research Interlocks Intermec Corporation International Dairy International Paper International School ASB Intertape Polymer Group Intier Automotive Intralox Intuitive Surgical, Inc. Inventory Sales Co. Ionia County Community Foundation Iowa Fluid Power Iowa Space Grant Consortium IPFI

Iridescent Iron Horse Development Iron Workers Irvin Automotive Iscar Israel Air Force Israel Aircraft Industries Israel Navy Ship Yard Issa Family Foundation IST Isthmus Engineering & Manufacturing ITFA Itron, Inc. ITT Industries ITT Industries Space System Division ITT Power Solutions ITT Technical Institute ITT Technical Institute-Kennesaw ITW Drawform Ivv Tech Community College iWoz J&F Machine Jack West CNC Inc. Jackson and Tull The Jackson Foundation Jacobs Engineering Group Inc. James Madison High School PSTA Jared Jameson Janssen Pharmaceutica Jarrett Welding JAZ Industries. Inc. JBC Technologies JCI Industries JFA Jefferson Adult Boosters Jefferson High School Robotics Jefferson Labs Jefferson Middle School Jennings Foundation Martha Holden Jennings Foundation Jet Propulsion Lab JetBlue Airways Jim Minkey Remax Today JJ's Design & Engineering JM Weldina JMA Elevated Architecture John Deere John Deere Waterloo Operations John Tyler Community College Johnny's Pizza Johnson & Johnson Johnson & Johnson Consumer & Personal Products Worldwide Johnson & Johnson PRD Johnson & Johnson VISTAKON Johnson Books & Stuff Johnson Controls Inc. Johnson Controls Inc.-York Joint Astronomy Centre Jostens JP Fabrication & Repair JR Automation Technologies, Inc. JRI ON Jubilee Housing Initiative & Community Development Corporation JustRite Machinerv KaDa Medical Instruments Kalamazoo Public Schools Kaloke Technologies, Inc. Kansas City Area Life Sciences Institute



Dean Karl & Verna Lou Reid Karl Mey's Collision & Paint Center Kastle Grinding Kathy's Music Kauai Island Utility Cooperative Ewing Marion Kauffman Foundation The Kauffman Family Ka-Wood Gea Kaydon Bearings Kaz, Inc. W.M. Keck Observatory KEDB Aloha 'Ike (Kauai Economic Development Board) Keenan Group, Inc. Realtors Keihin IPT Manufacturing, Inc. Keihin Michigan Manufacturing Ken Shaw Lexus Toyota Kennedy Associates Kensey-Nash Inc. Ken-Tronics Kepco Inc. Kettering University Kevin's Electronics Key Technologies, Inc. KG Projections, Inc. Kikkoman Foods Killeen Independent School District Kimberly-Clark Corporation Kimble Precision, Inc. The Kinna Family Kionix Kirkwood Oil Kissick Family Foundation Kitchell Kiwanis Kiwanis Club of Cleveland Kiwanis Club of Danville Kiwanis Club of Oregon Illinois Kiwanis Club of Queen Creek Kiwanis Club of West Branch Klapwijk Engineering Klein Steel KML Building Solutions Knechts Ace Hardware Knesal Engineering Services, Inc. Dr. Dennis & Peggy Knox Kodak Graphic Communications Canada Company Kenneth Koga KOPCO Kostal

Krieger Machine Kronos Inc. KTS Tooling KUKA Gordon Kuwada L D Inc. L-3 Communications ComCept Division L-3 Communications Corporation L-3 Communications Integrated Systems L-3 Communications Narda Microwave Labconco Corporation Laboratory for Atmospheric and Space Physics Labsphere, Inc. Labview Lake Country Woodworkers Lake Michigan College Lake Oswego School District Lake Region Manufacturing Lake Superior College I am Research Lamar University Electrical Engineering Lambda Chi Alpha Marguerite Poindexter LaMotte, Board of Education Member, District 1 Lanco Assembly Systems Landaal Packaging Laramie Energy Laredo Women's City Club Laron Incorporated Larry's Machine Shop Las Cumbres Observatory Global Telescope LASA Robotics Association Dr. Richard Lasbury DDS Lawler Gear Corp. Lawrence Livermore National Laboratory Lawrence Technological University Lay Industries Lazarus Foundation La-Z-Boy Inc. Leadership Center for Science & Engineering Lear Corporation Lee Company Justin Lee Linda Lee Leis Machine Shop Leoni Corporation LeRoy Family Dental Clinic Mr. Leski Lewis Marine Supply of Greenport LEB Inc. Liberty Machine

Liberty Township

Lifestyle Furniture Lifetime Portable Buildings, LLC Lijit.com Linamar C.A. Lindell Linear Contours Linihan Insulation Inc. Linn-Mar Booster Club Linn-Mar Foundation Lion Brothers Corporation Litchfield Education Foundation Livernois Vehicle Development Livina Loaos Llovd Farms Llovd Industries Lockheed Martin Aeronautical Systems Lockheed Martin Canada Lockheed Martin Coherent Technologies Lockheed Martin Corporation Lockheed Martin Human Space Services Lockheed Martin IS&S Lockheed Martin KAPI Lockheed Martin Kelly Aviation Center Lockheed Martin Michoud Space Systems Lockheed Martin Missiles and Fire Control Lockheed Martin Simulation, Training and Support Lockheed Martin Space Systems Company Gary D. Lohr D.D.S. l onza The Loomis Chaffee School Warren Loomis Los Altos Robotics Los Altos Rotary Los Angeles Air Force Base Los Angeles Chapter Professional Black Engineers Los Angeles County ROP Los Angeles Trade Tech Los Angeles Unified School District Los Angeles Urban League Loucon Metal Limited Louisiana Engineering Advancement Program (LEAP), University of New Orleans Lower Merion School District Dr. Richard & Ann Lowery LRG Capital Group LSI Logic LSUS Dr. Hong Bin Lu & Hui Jiang Lucas Orthodontics Luck Stone Corporation

Luminary Micro Lutron Electronics, Inc. I XF Lyndhurst Lumber Lyondell Chemical M & N Controls M&K Metal Co. M&I M&M Foundation MAC, S.A. Machine Medic Mack Tool Engineering Macsteel Macv's West Mad Science MAES Magellan Architects Magma Engineering Company Magna International Maher Construction Main Manufacturing Inc. Malco Construction, Inc. Manhattan College School of Engineering Manheim DRIVE Manistee National Golf & Resort Mantz Automation Marco Manufacturing Inc. Marion Franklin Boosters Karl Marks Mark's Remodeling Mar-Lee Companies Marotta Controls, Inc. Marguette University Marquette University, College of Engineering Marshall PTA Martin Sprocket and Gear, Inc. Marty's Bag Works Marvell Maryland Space Grant Consortium Mass Bay Engineering Massachusetts Institute of Technology (MIT) Master Graphic Printing Company Materials Handling Systems, Inc. Mathison Metalfab, Inc. Matsumoto Shave Ice Matsuo Takabuki Maui Economic and Development Board (MEDB) Mayo Manufacturing MB&R Engineering Inc. MBDA Missile Systems McBride Electric

KPMG

McCarter Welding McCarthy Tetrault Major Mike McCartney John McDermott Family McDonalds of West Branch McElroy Manufacturing McGill University The McGraw-Hill Companies McGuckin Hardware Store McHale Creative McInerny Foundation McKesson Corp. MCL Machine Tools McLaren Health Care McMahon Foundation McMaster University, Mechanical Engineering McNeil Consumer and Specialty Pharmaceuticals McNeilus McQ Inc MD Robotics MDA Robotics MDM Architects Mead Johnson Nutritionals Meadows Machining Meadows Manufacturing Mecklenburg Electric Cooperative MECO Medallion Medical Device Solutions Medtronic Inc. Meggitt Training Systems US MEI Meijer: Ann Arbor Mellon Memorial Robotics Booster Club Mike Mena Mentor Graphics Mercedes-Benz of Beverly Hills Merck Mercury Marine Meridian Services Meridian Technology Meritor Suspension Systems Merovan Office Center Metal Flow Corp. Metal Innovations Metal Research Metal Sales & Service, Inc. The Metal Store Metal Tech Metalaser Metapurple Ltd. Metro Academy **MetroFD** Metropolitan Learning Center Mexican American Engineers and Scientists Mever Memorial Trust Miami University Michelin Michigan State University Students Michigan Technological University Micro Analysis Microchip Technology Inc. Microchip Technology Inc. Employees Micron Technology Foundation, Inc. Micron Technology, Inc. Microsoft Corporation Mid-America Door Mid-America Merchandising, Inc. Mid-Michigan Robotics Alliance

Midrex MidSouth Technologies Mid-States Bolt & Screw Company Midway Machine Technologies Midwest Fluid Power Midwest Research Institute Mike's Home Repair Milken Family Foundation Miller Bearings and Motion Systems Miller Environmental Miller Place PTO Milwaukee Area Technical College Milwaukee Rotary Milwaukee School of Engineering Milwaukee SPE MIMI LLC Min Plastics Mingo Career and Technical Center Minnesota West Community & Technical College Minnick Web Services Miramar College Mississippi Power Company Mississippi Space Grant Consortium Mitchell Academy of Science and Technology Mitchell-Joseph Insurance Mitchell's Restaurant MLC CAD Systems MMC Modern Industries Modern Metalcraft Monarch Instrument MoneyWise Bookkeeping Services MoneyWise Payroll Solutions Monroe Aluminum Monroe Pharmacy Monster Cable Montana Space Grant Consortium Monterey Bay Internet Montgomery County Community College Moog Aircraft Walter P. Moore Moraine Park Technical College Morgan State University George Mosher Motherboards and Upgrades Motorola Foundation Motorola Inc. Mount Dora Community Trust Mount Hope Medical Mount Saint Joseph Academy MP Robotics Boosters MPC MPC Products Corporation MSOF MTA MTA-NYC Transit Authority MTC Technologies MTS Seating Mueller Constructio Mullen Motors Multi-County Counseling, Inc. Multi-Talent Resource Center M.J. Murdock Charitable Trust Mr. & Mrs. Murrav Mustangs on the Move MV Transportation MyLaptopGPS Naastad Construction NACHI Robotics Charles Nakoa III

Narberth Curves

NASA NASA Ames Research Center NASA Drvden Flight Research NASA Glenn Research Center NASA Goddard Space Flight Center NASA Headquarters NASA Jet Propulsion Laboratory NASA Johnson Space Center NASA Kennedy Space Center NASA Langley Research Center NASA Launch Services Program NASA Marshall Space Flight Center FIRST Robotics Alliance Project 2007-2008 NASA Stennis Space Center National National Action Council for Minorities in Engineering (NACME) National Armiture National Auto Sales National Grid National Guard National Instruments Corporation National Science Foundation National Security Technologies, LLC National Society of Black Engineers National Starch & Chemical Company, Inc. NAU NAVSFA Detachment Pacific NAVSEA Undersea Warfare Center NCK Software NCSU College of Engineering NDIA Nebraska Advanced Manufacturing Coalition NEC Neff Press Neighbors Empowering Youth Nelvana Neosource Aerospace Repair and Manufacturing Nerac Inc. Neset Repair Netzer Metalcraft Inc. The Neurosciences Institute New Hampshire Ball Bearing New Hampshire Technical Institute New Jersey Institute of Technology New London Precision Instruments, Inc. New Market Corporation New Technologies, Inc. New World Associates, Inc. New York Air Brake Corporation New York City College of Technology New York City Transit New York Community Bank New York Container Terminal Newport Construction Services Nexan NGC NH Charitable Foundation Nicole Smith Orthodontics Nighthawk Radiology NIH Niles Area Home School Organization Niwot Florist NJEA Noble Hardware Noblis Nokia Siemens Networks Nonin Medical The Nordam Group Nordson Corporation Nordson-Asymtek

Noraren Norris-Kennell Family North American Machine Works North Atlantic Industries North Carolina A&T State University North Central Michigan Community Foundation North Dakota Space Grant Consortium North Fork Sanitation North Kansas City Iron & Metal Northeast Michigan Industrial Association Northeastern Pennsylvania Tech Prep Consortium Northeastern State University Northeastern University Northern Arizona University Northfield Savings Bank Northland Foundation Northrop Grumman Corporation Northrop Grumman Denver, CO Northrop Grumman Electronic Systems Northrop Grumman Newport News Northrop Grumman Ship Systems Northrop Grumman Shipbuilding Norwich Glass Norwich University, David Crawford School of Engineering Notre Dame Novartis Pharmaceuticals Corporation NRP-Jones NSC NSK Bearing NSK Corporation n-tara NTN Bearings Numatics Engineering NuStep Inc NVISIA NWTC Nypro Inc. Oceaneering Oceaneering Space Systems Oceanit ODL. Inc. ODU OEM Controls Oerlikon Ohio State University Okada Trucking Co., Ltd OKC Life Member Pioneer Club Oklahoma Christian University Oklahoma College of Construction Oklahoma Department of Education Oklahoma Education Enhancement Foundation Oklahoma Educators Credit Union Oklahoma Natural Gas Company Oklahoma State Department of Education Oklahoma State University Oklahoma State University, College of Engineering Oklahoma University, College of Engineering Old Dominion University Old Point National Bank Olin College of Engineering Olympic Hospitalist Physicians, PS Olympus America Inc. OMAX O.N. Design One Point Inc. Onekama Lions Club Ontario Power Generation Ontario Power Generation-Pickering

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P.A.S.T.

Pathology Group of Doylestown Patrick Henry Community College Patrick Metals Patriots Technology Training Center Patuxent Partnership Paul Lumber & Supply Company Pax-Sun Engineering Payne County Home Educators Home School PDI Dreamworks Peak Plastics Pearl Development Pearl Harbor Naval Shipvard Pearl Harbor Naval Shipvard & IMF Pearson Packaging Systems PEER Consortium at John Tyler Community College PEER Tech Prep Consortium Pegasus, Inc. Pelco Pelco Products Pella Entry Systems Pender Brothers Pendpac Manufacturing Peninsula Education Foundation Pentair Pentair Corporation Pentair Water, a division of Fleck Controls PENTECH The People of Newaygo County Pepsi Americas, Inc. Perrone Properties Pershing Square Personal Page Petersen & Associates Peterson Aluminum Peterson Manufacturing Petro-Chem Development Co., Inc. Lawrence Petru Tim Petru PFG Optics Pfizer Inc. PGP Corporation Phadia PHD Inc. Lew & Linda Phillips Phillips Welding PHM Community Phoenix Gold Phoenix Masonic Lodge PHTool PIAB

Picatinny Arsenal H.C. Pickett Piedmont Metal Fabricators Inc. Piedmont Technical College Piedmont Triad Partnership Pioneer Pioneer Electronics Pirelli Pitney Bowes Pizza Hut, Inc. PJM Interconnection Plains Exploration & Production Company Planet Technologies Planning Systems Inc. Plascore Platt Electric Platt Electric Supply Platt Tech Parent Faculty Organization Playing @ Learning Plexus Corporation Plumbers Local Union #1 Plumbers Union Plymouth Dental Associates PC PM Engineering PMI Atlanta PMRF Pocket Money Recycling Co. Brad & Lynn Pohlman Point Blank Solutions Polaris Industries Polvtech Polytechnic University of Puerto Rico Pom Wonderful Port Authority of New York and New Jersey Port Plastics Port Royal Landing Marina Port Washington Educational Foundation Portland Community College John and Margaret Post Foundation Powder River Power Company of Sheridan Powell Electric Powell-Watson Toyota of Laredo Power Lift Power Workers' Union Pratt & Whitney (a United Technologies Company) Pratt & Whitney Rocketdyne (a United Technologies Company) Praxair Precision Electric Inc. Precision Manufacturing, L.L.C. Precision Pneumatics

Precision Restoration Precision Tool & Die Prefeitura de Gravatai Premier Integrated Technologies Premier Tooling Systems PREP-KC Pressure Tube Manufacturing Preston-Eastin The Preuss School at UCSD Price Chopper Price Engineering Pride Manufacturing Pride of the Tiger Foundation Primerica Financial Services Prince Georges County, MD Princeton Information PRIOR Prior Lake Optimist Club ProAct Marketing Group Procempa Process Innovation and Design Procter & Gamble Procter & Gamble Pharmaceutical, Inc. Proden Production Tool Supply Progress Energy Promation Engineering Ltd. Promedica Health System ProportionAir Corporation Prospect Plastics Providge Consulting PRP Inc. PSEG The PTR Group Purdue FIRST Programs Putterz **Qcept Technologies** Qimonda NA Qimonda of Richmond Quad Tech Inc. Quakertown National Bank QUALCOMM Incorporated The Quapaw Company Queen Creek Veterinary Hospital Queens College, CUNY Quexco Quicksilver Clothing Quinsigamond Community College R & B Welding R & T Digital R&D Tool and Engineering RackSolutions.com

Partnership Alliance

PASCO Scientific

Rackspace Managed Hosting RADCorp Rajswasser-Flaherty Family Ralph A. Hiller Company Ralph R Willis Career and Technical Center Rane Corporation Ranesco Ranken Technical College Rapid Intake Rapid4Mation Rayborn Ace Hardware Ravconnect Raytheon Company Raytheon Company Black Employees Network (RAYBEN) Raytheon Company Space and Airborne Systems **RBC** Dominion Securities RD Tool Read's Ice Cream REAL Real Eyes Media Recapture Metals Recticel North America Inc. Red Car Restaurant Reeves Automation Refurbished Equipment Marketplace Region 2000 Technology Council Rehbein Enterprises Reliable Plastics Rensselaer Polytechnic Institute Republic Services Research In Motion (RIM) Reseda Women's Club Retlif Testing Laboratories Rexnord The Randolph & Susan Reynolds Foundation **RF** Micro Devices Rhode Island Economic Development Corporation Rhodia Rice University Rice's Pharmacy Richland County School District #1 **Richmond County Foundation** Richmond County Savings Foundation Richmond East Moose Lodge **Riddell Sheet Metal** Ridge Landfill Community Trust **Rinker Materials** Rio Tinto Energy America Rite of Passage Riverhead Building Supply Corp. Riverview Community Bank RM Systems Integrators **RMT** Robotics Robert Bosch Corporation Robert Bosch LLC Robert's Paint & Body Roberts Tool Co. Roberts Wesleyan College RobotFutures Robotics Engineering Excellence Roche Carolina Rochester Institute of Technology Rochester Software Associates Rockstar San Diego Rockwell Automation, Inc. Rockwell Collins, Inc. Rockwood School District Rocky Mountain Space Grant Consortium

Rohm & Haas Company

SAP Labs

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Sapsis Rigging Inc. Sartomer Corporation SBF SBM Offshore Scaled Composites Schaeffler Group Schaeffler KG Schenck Rotec Schilling Robotics CG Schmidt Construction R.L. Schmitt Co. Inc. Schneider Charitable Foundation The Schneider Family Foundation School Construction Consultants, Inc. School District of Oconee County Schoolhouse Foundation The Science and Technology Group Science Foundation of Arizona Scitor Corporation Scotiabank Screen Designs, Inc. Sea Tow International Sea World of Texas Seagate Corporation Seagate Technology Securitas Systems Seemann Composites Seherr-Thoss Foundation SEM Sentrinics Service Electric Seton Catholic Seven Studios Shady Side Academy Shafer Computer Service Shakespeare Company The Shanor Family D.F. Shaw & Co. Shawnee Mission Education Foundation Shell Shell Exploration & Production Company Shell International Technology, Inc. Shelton and Son Lawn and Tree Sherbrooke University Sheridan Winnelson Supply Company Sheyenne Valley Financial Shiflett Transport Service Shiloh Industries Shinano Kenshi Corporation Shining Rock LLC General Robert M. Shoemaker ShowBest Fixture Corporation SI Bank & Trust Foundation SI International Si Se Puede SIATech Siemens Airfield Solutions Siemens Corporation Siemens Energy & Automation, Inc. Siemens Enterprise Networks Siemens PLM Software Siemens VDO Siemon Company Sierra College Sierra Lobo, Inc. Sierra Lobo, Inc. TFOME Sierra Nevada Corporation Sierra Radio Systems SIFTO Sian Depot Sign-A-Rama El Segundo

SignGraphx Sikorsky Aircraft Corporation (a United Technologies Company) Silicon Vallev Silva & Cia Simplot SIMREX Corporation Singularity Clark LP SlipNOT Metal Safety Flooring SMART Consortium SMC Corporation of America SMED Gravatai Richard & Susan Smith Family Foundation **Richard & Susan Smith** John, Amy, Jennifer & James Berylson Robert & Dana Smith Brian & Debra Knez Smiths Medical Smurfit Stone Container Corp. Smyth County School Board Snapple Society of Hispanic Engineers and Science Students (SHESS) Society of Hispanic Professional Engineers Society of Manufacturing Engineers Society of Mexican American Engineers and Scientists (MAES) Society of Professional Engineering Employees in Aerospace Society of Women Engineers (SWE)-Sacramento Valley Sectior Solano County Office of Education Solano County Office of Education ROP Solidus Technical Solutions Solutions for Automation Sonic FDM Sonic Tools LP Sonny's Enterprises. The Car Wash Factory South Bay Carpet Distributors South Bend Mayor's After School Program South Carolina Department of Education South Jersey Robotics, Inc. Southco Southeast Career Center Southeastern Louisiana University Southern Christian Leadership Council Southern Electronics Southern Engineering Services Southern Expediting Inc. Southern Illinois University at Carbondale, College of Engineering Southern West Virginia Coal Resources Southland Painting & Wallcovering Southold IGA Southold PBA Southold PTA Southold Rotary Southwest Kansas Technical School Southwestern Oklahoma State University Southwestern Oklahoma State University, Technology Department Space and Naval Warfare Systems Center, San Diego Spatial Corp. Spec Abrasives Special Products and Manufacturing Special Technical Services Specialty Fabrication Specialty's Our Name Speco Tile & Marble, Inc. Speonk Lumber Spidertel Spinner Atlanta Spirent Communications Spirit Aerosystems



Spokane Regional Chamber of Commerce Sporos Computers Spring Creek Coal Mine Sprint Nextel Square D Company Square D-Schneider Electric SRI International SSyD Stafford County Economic Development Authority Stablin Enclosures D.B.M. Stakor and Associates Standard Aero Standard Sheet Metal Standing Ovations for All Stanley Works Star Supply Starbucks Corporation State Electric State Farm Insurance State of Oklahoma Staten Island Foundation David & Nancy Staves Steel Dimensions Steelcase, Inc. SteelFab, Inc. Stein Seal Stellar Solutions Sterling Tool, Inc. Steve's Wholesale Tools The Stewart Family Stillwater Designs (Kicker) Stock Drive Products-Sterling Instrument Stony Brook Stoody Industrial and Welding Supplies Inc. S.T.O.P. of New Jersey Storage-R-Us Stoughton Area Community Foundation StoughtonTrailers Stratagem Streets, Inc. Mechanical Contractors Stress Engineering Services Strikers Entertainment Center Strober Building Materials Structures Inc. Stryker Consulting, Inc. Stryker Orthopedics STU, LLC Stuyvesant High School Alumni Association Summerlin Children's Forum

Sun Chemical Corporation Sun Hydraulics Corporation Sun Microsystems Sunrise Busses, Inc. Sunrise Foundation Sunrise of East Meadow Sunsource Hydraulic Service and Repair Sunstone Circuits SUNY at Stony Brook Superior Electric Construction Inc. Superior Industries SUSD The Susquehanna County Career and Technology Center Swift Atlanta Sylvan/Laureate Foundation Symantec Corp. Symphony Service Corporation T & T Materials T Q Machining Tabet Manufacturing Taco Del Mar Tactico Taek Force, Inc. TAH Enterprises Talleres Lucas TallGrass Graphics Tallmadge Foundation Tata Built Technology Taylor Energy Company LLC Taylor Products TBDI, Inc. TBKM TCI Team 2201 Mentors Team BLITZ Home School Team Elmer's TeamBank N.A. Tech Empower Tech Gurus Techcare, President & Owner Technique Inc. Technology Advocates of San Antonio Technology Garden TechSmith Tecla Company, Inc. Teion Banch Tel Aviv Municipality Teledvne Telford Technologies Tellurex Corporation Temple Inland-Bogalusa

Teradata Corporation Teradyne Terminal Supply Co. Terra Tech Engineering Terracon Tesoro Refining Companies TESSCO Technologies Incorporated Test-Tek Texas Direct Auto Texas Instruments Incorporated Texas Tech University Textron Systems Thales Canada Thales Group Thayer School of Engineering at Dartmouth College ThermoGenesis Thermopylae Sciences & Technology Thiele Kaolin ThingMagic Inc. Thomas Nelson Community College Thomas, McNerney & Partners Thorlabs, Inc. Thunder Boosters Thunder Tower Harley-Davidson Tiara Yachts TIBCO Tiger Enterprises Time, Inc. The Timken Company Tire Warehouse Titan Inc. TKC Communications TKL TKL Products Corp TNT-Holland Motor Freight The Tobacco Commission Today's Hair Tommy Gate Company Tonnard Manufacturing Corporation Toronto District School Board **B** M Towill Corp. Town & Country Group Town of Middletown Townsend Harris Alumni Association Townsend Harris High School PTA Towsontowne Rotary The Toy Shop Tovota Boshoku America Tovota of Nashua Tovota of Stuart Toyota Motor Corporation

Toyota Motor Manufacturing, Texas, Inc. Toyota Technical Center Wallace Tozier TPS Golf-AimPoint Technologies Tram Tek Inc. Trans-matic TranTek Automation Corporation Traverse Bay Area Intermediate School District Traverse Bay Sunrise Rotary Foundation Traverse City Products, Inc. Travis Unified School District Treasure Island Job Corps Triad Foundation TRICE Trident Technical College Trimble Foundation Trinity Products Trio Hardware Tripple Strange Triumph Fabrications Troops To Teachers Trophy Robotics Tropicana Products Inc. Trossen Robotics TruCut Tru-Cut Trumpf Trustco Bank TRW TRW Automotive Tshwane University of Technology **Tubular Techniques** Tulane University Tulsa Talons Arena Football Turner Broadcasting System, Inc. TUV Rheinland Tweed Financial Services Tyco Electronics Corporation Tyler Sheet Metal, Inc. UA Science and Technology Park UAW UAW 686 UAW Local 14 UAW Region 1 C UCLA-MESA The UCSD Machine Perception Laboratory UMentor FIRST Under Tech, Inc. Underwriters Laboratories Inc. Unigraphics Unilever UNITE with Virgil Brackins

Summit Racing

United Electric Controls United Illuminating United Launch Alliance United Space Alliance United States Army IEWTD United States Army Night Vision Lab United States Army Operational Test Command United States Army Research Laboratory United States Army Tank Automotive Research, Development and Engineering Center (TARDEC) United States Coast Guard Academy United States Coast Guard Alumni Association United States Coast Guard Foundation United States Navy United Technologies Corporation (UTC) United Technologies Research Center (UTRC) United Water Universal Machining Services Universal Trailers Universidad Andres Bello University of California at San Diego University of Denver University of Denver, Department of Engineering University of Detroit Mercy University of Hartford University of Hawaii, College of Engineering University of Hawaii, College of Engineering, Mechanical Engineering Department University of Hawaii HIG&P Hawaii Mapping Research Group University of Hawaii KCC University of Hawaii Maui Community College University of Hawaii Physics University of Kansas University of Maine University of Michigan University of Michigan-Flint University of Minnesota University of Minnesota-Duluth University of Minnesota Foundation University of Minnesota-Twin Cities University of Missouri-Kansas City University of Nevada-Las Vegas University of New Hampshire University of New Orleans University of North Dakota University of North Dakota, North Dakota Space Grant Consortium University of Northern Iowa, College of Natural Sciences and Iowa Space Grant Consortium University of Ottawa University of Pennsylvania Engineering School University of Rhode Island University of South Florida University of Texas at Austin University of Texas at El Paso University of Toronto University of Toronto, Engineering Faculty University of Tulsa University of Utah University of Virginia University of West Florida University of Wisconsin-Platteville Up-A-Creek Robotics Urata Corporation **URS** Electronics Urschel Laboratories Incorporated US Motion USC USC, College of Engineering

USC-MESA

UT Electronic Controls UTC Fire & Security (a United Technologies Company) UTC Power (a United Technologies Company) UWUA Local 223 Vacation Land RV Valero Energy Corporation Valero Oil Refinery Valero Refining Companies Valley Bob's Driving School Valley Precision Products Vane Brothers Vanguard Industry Vantage Point Asset Solutions VDS Vectrix Corporation Vegas Fuel Velocitv11 Verde Valley Robotics, Inc. Verizon Communications. Inc. Verizon Corporation Verizon Foundation Verizon Wireless Vermont Technical College Ver-Tech Elevator Vessel Statistics Vex Robotics VFW Post 961 ViaSat Viatalk VICO Manufacturing Vic's Signs and Engraving Victory Industries, Inc. Video Dreams Inc. Videx, Inc. Viking Plastics Inc. Dr. Villalobos Viper Northwest Virginia National Guard Virginia Tech School of Education Virginia Tobacco Commission Vista West Engineering Visteon Automotive Systems Vitron Manufacturing Vitullo and Associates Vivisimo VMD System Integrators, Inc. VoiceMetrix Volvo Motor Graders Volvo Trucks of North America Vulcan Machinery Company Vulcan Spring VUSD GATE Vuzix W&K Automotive Wabash Technologies Wachovia Securities Wade Trim & Associates Waialua Complex 21st CCLC Grant Waialua Federal Credit Union Waialua High School Class of '41 Waialua High School Foundation Waialua Lions Club Wallace Engineering The Wallace Foundation Wal-Mart Wal-Mart 242 Walt Disney Company Walt Disney Imagineering Walt Disney World Company Walt Disney World Ride and Show Engineering

Walter N. Coffman, Inc.

Wanner Engineering Ward Fabrication Warden Fluid Dynamics Washington Education Foundation Washington Metropolitan Area Transit Authority Washington Safety Management Washtenaw Community College Waterjet Cutting of Indiana Waterjet TECH, Inc. The Thomas W. Wathen Foundation Wattmaster Controls Inc. Waukesha Electric WBC Extrusion The Weatherly Institute for Robotics and Engineering Weatherly School District Weber Electric WebGuy Communications WECU Barry Weinberg Weisen Inc. Wells Fargo Wells Fargo Bank West Hills Wellspring Wentworth Institute of Technology West Branch Regional Medical Center West Islip Robotics Booster Club, Inc. West Linn Wilsonville School District West Machine Works, Inc. West Salem High Education Foundation West Salem Rotary West Shore Medical Center West Virginia Department of Adult Technical Programs West Virginia Department of Career and Technical Education West Virginia University Western Colorado Community Foundation Western Medical & Drug Western Michigan University Western Washington University Westhampton Glass and Metal Westhampton True Value Hardware Josh* & Judy Weston Wet Labs Wham Engineering Services Wheeler Brothers' Grain White-Rodgers WhitewayChristmas.com Horace & Laura Whitman Wicker Construction Co., Inc. Wilco Machine and Fab, Inc. Wilkes University Wilkinson Woodworking Williams and Fudge The Williams Companies Foundation, Inc. Williams Energy Williams Tooling The Williamson Free School Willow Glen Foundation Wilson Electric Wilson Motors Wilspec Technologies Winergy LLC Winnetonka High School Booster Club Winnipesauke Driving School Witco Inc. Stuart Wolfe Wolverine Fluid Power, Inc. Women in Engineering and Science Programs at Kansas State University Women in Technology (WIT) Atlanta, GA

Women in Technology (WIT) Foundation Wood True Value Hardware Woodbridge Family Foundation Woodbridge Group Joseph Woodcox Woodside High School Foundation Woodside USA Woodward Governor Company Worcester Polytechnic Institute World Manufacturing Woven Metal Products Woz WR Systems WRT Corporation Wunsche Academy www.sevaa.com www.TheDatal.oggerStore.com Wyeth Engineering Wyle Laboratories Wynne Engineering Wyoming Space Grant Consortium XCel Hawaii Xerox Corporation Xilinx Corp. Xilinx, Inc. Yale University Yazaki North America Young Brothers Youngstown State University Youth Technology Academy of Cuyahoga Community College Ypsilanti Public Schools Foundation Zazzle Leslie Zola Science Scholarship Zowada Recycling



Financials

Throughout many years of rapid growth, *FIRST* has steadily strengthened its financial position thanks to the time, energy, and funds donated by individuals, businesses, and foundations.

All of us here at *FIRST* endeavor to apply as much of this support as possible to directly benefit the student participants and invest in program growth. In fiscal year 2008, general and administrative costs comprised less than 10% of total expenses and fundraising costs were limited to less than 3%. *FIRST's* broad base of support – ranging from volunteer mentors at local schools to global sponsors of our teams and events – has made these financial results possible. The ongoing involvement of *FIRST's* community of contributors will ensure that *FIRST* will continue to meet the growing need for its programs worldwide, while remaining financially sound.

For our fiscal year ended June 30, 2008, there were no audit findings or questioned costs and *FIRST* received an unqualified opinion from its auditors, Berry, Dunn, McNeil & Parker (BDMP). Additionally, the Office of Management and Budget's (OMB) Circular A-133 audit of *FIRST*'s Federal grant awards had no findings or questioned costs. *FIRST* continues to be qualified as a "low-risk" auditee.

STATEMENTS OF ACTIVITES	JUNE 30, 2008	JUNE 30, 2007
Operating revenues and other support:		
Program registration fees	\$ 14,461,818	\$12,763,146
Contributions and grants	12,485,266	9,827,940
Rental income	589,568	573,424
Other income	839,534	599,609
Net assets released from restrictions	1,321,005	781,277
Total operating revenues and other support	29,697,191	24,545,396
Operating expenses:		
FIRST Robotics Competition ("FRC")	20,558,122	17,068,171
FIRST LEGO League ("FLL")	2,651,817	1,954,249
FIRST Tech Challenge ("FTĆ")	1,004,250	880,681
FIRST Place ("FP")	85,749	95,038
Management and general	3,333,371	2,937,205
Operation of building	373,426	345,619
Depreciation	426,261	399,464
Total operating expenses	28,432,996	23,680,427
Operating surplus	1,264,195	864,969
Non-operating:		
Refundable advances – amortization	319,969	319,969
Net assets released from restrictions for the		
purchase of equipment		17,460
Change in unrestricted net assets	\$ 1,584,164	\$ 1,202,398
STATEMENTS OF FINANCIAL POSITION		
Assets:		
Cash and cash equivalents	\$ 3,388,273	\$1,242,645
Short-term investments	7.799.712	6.860.888
Pledges, receivables and other assets	2,942,890	1,468,241
Net property, plant, and equipment	4,139,427	3,969,378
Total assets, end of year	\$18,270,302	\$13,541,152
Liabilities and net assets:		
Total liabilities	\$ 3,436,001	\$ 3,330,547
Net assets:		• • •,•• •,••
Unrestricted	10.263.902	8,679,738
Temporarily restricted	4,570,399	1,530,867
Table and stream	14 004 001	10,210,605
Total net assets, end of year	14,834,301	10,210,005

The financial information presented here has been abbreviated and does not include the substantial value of donated services and materials. FIRST's complete, audited financial statements are available on the website at www.usfirst.org under "Who We Are/Annual Report/Financials." Certain amounts above in the 2007 column have been reclassified to conform to the current year presentation (2008).

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Championship photography by Adriana Groisman. Jr.FLL photography by Marco Ciavolino. LEGO Prize photo by Mette Mørk. Other photography courtesy of students, volunteers, and sponsors.



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

...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.

...FIRST participants are 50% 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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