Annual Report
2015 - 2016
Expanding their worlds. Getting their hands dirty.

*FIRST* Washington supports and engages today’s tech-native youth with a league of their own, inspiring them to build on their passions and preparing them to be the STEM leaders of tomorrow.

Creating. Theorizing.

Tinkering. Testing.

Expanding their worlds. Getting their hands dirty.

*FIRST* Washington ignites youthful minds through education, hard work, mentorship, and healthy competition.

Just as important, participants are integrated into a fun, team-based learning environment created to encourage their interests, teach the benefits of collaboration, boost self-confidence - and illuminate the exciting world of STEM study and careers.

At *FIRST* Washington, we sum it up this way:

What’s going to be happening next in STEM is happening here.

*FIRST*
Dear Friends,

By 2018 over 45,000 STEM jobs in Washington will go unfilled due to a lack of qualified candidates. Governor Jay Inslee has said that making sure Washington students have access to computer science classes is a top priority to ensure our young people are prepared for those jobs. FIRST Washington strives to alleviate the shortage of skilled professionals in STEM and fill the need for an innovative workforce by using strategies that promote STEM interest, knowledge, and learning and that inspire students to pursue post-secondary education/training in STEM.

FIRST Washington is a great organization that delivers programs for young people to have fun with robots, but we are much more than robots. Our programs are designed to provide a fun and engaging STEM experience to young people while also giving opportunities to develop 21st century work skills that employers are looking for such as problem solving, conflict resolution, persistence, time management, and communication skills.

FIRST Washington is dedicated to inspiring all youth in Washington to be science and technology leaders through our four FIRST K-12 programs. The 2015-2016 FIRST competition season has given us the opportunity to spread awareness about the impact of FIRST and to show kids that science, technology, engineering, and math is exciting and fun.

We have 10,826 youth comprising 922 teams across our state who are engaged in this sport of science, technology, and teamwork. This year we are supported by 3,558 adult coaches and mentors and 1,410 event volunteers who share their passion for STEM with the FIRST students that they work with on a daily or weekly basis. All of these efforts are made possible through the generosity of hundreds of private individuals, companies, and foundations across Washington State and our partnerships with the Washington State Legislature, OSPI, and FIRST.

As you review the pages of our 2015-2016 Annual Report, we hope you see how your investment of your time, talent, and treasure in FIRST provides a ripple effect of transforming lives not only locally but across our state and the globe. Thank you for caring about our students and the future of our Washington State workforce. Your support is increasingly valuable as we work to inspire and expose all young people in our state to STEM education.

With gratitude,

Conrad Ball
Chair, FIRST Washington

Erin McCallum
President, FIRST Washington
Our Impact

922 Teams across our state in 4 tiers of FIRST programs

1,410 Volunteers who reinforce and augment our ranks

3,558 Coaches and mentors who support our students

547,120 Hours donated to FIRST Washington

10,826 Young people ages 6-18 years old on FIRST teams

FIRST Washington is inspiring all young people in Washington State to be science and technology leaders, by engaging them in exciting mentor based FIRST programs that build science, engineering, and technology skills, that inspire innovation, and foster well rounded life capabilities including self-confidence, communication and leadership.
“Before I became a member of the Canine Crusaders (a FIRST Washington team), I had no intention to go into an engineering field. Now that I have been involved with FIRST, I realize that engineering could be a potential career pathway. In my two years, I have learned computer programming, marketing, public speaking, leadership, and teamwork. These areas strengthen me as a person and will help me with my future schooling and employment.”

- Taylor Dunlap
Kettle Falls High School Canine Crusaders FIRST Team Member
Our Professional Development

FIRST Washington was awarded a Computer Science Education iGrant by OSPI to launch a professional development program for elementary and middle school teachers to learn STEM Robitics 101 which enhances the FIRST LEGO League program and provides an approachable hands-on introduction to Computer Science and STEM for classroom teachers and students.

- 163 teachers became certified in STEM Robotics 101
- Twelve 2-day classes held from April - August 2016
- Sessions were held in 7 of the 9 Education Service Districts
- Between 8,000 - 11,000 students impacted by this training
- 88% of the educators who participated in STEM Robitics 101 work with under-represented students across our state

"Due to Randy Steele’s deep knowledge of STEM Robotics and his skillful presentation of the workshop trajectory, this has been one of the richest and most useful PD courses I have ever experienced. This type of PD and resource should be available in every school in Washington!"

STEM Robotics 101, Kent participant
## Our Financial Summary

### REVENUE

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributed Revenue</td>
<td>$1,257,014</td>
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<tr>
<td>Program Revenue</td>
<td>$460,113</td>
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<tr>
<td>Special Events</td>
<td>$80,147</td>
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<tr>
<td>In-Kind Donations</td>
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<td><strong>Total Revenue:</strong></td>
<td><strong>$1,880,324</strong></td>
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### EXPENSE

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<td>Fundraising Expense</td>
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<tr>
<td>Administrative Expense</td>
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</tr>
<tr>
<td><strong>Total Expense:</strong></td>
<td><strong>$1,283,664</strong></td>
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$500,000+
Washington State Legislature
$100,000 - $499,999
Argosy Foundation
Autodesk, Inc.
The Boeing Company
Google
Microsoft
M.J. Murdock Charitable Trust
$50,000 - $99,999
The Bezos Family Foundation
Daimler Trucks North America
Intellectual Ventures
Lam Research Foundation Fund
$25,000 - $49,999
Estate of Charles P. Farnham
FS Networks
Mentor Graphics Foundation
Tesoro
$10,000 - $24,999
FIRST Washington Board of Directors
Alaska Airlines
Anonymous
Avista Foundation
Bamford Foundation
Bechtel Foundation
Intel Foundation
Multicare Health System
Dan Rosenstein
Microsoft Matching, FLL Jr 4456, 4457, FRC 1318, Board
Sue Adams and Kevin Ross
Mitch Tolson
Microsoft Matching
$5,000 - $9,999
Tripwire
Bonnieville Power Administration
Cascade Microtech, Inc.
Ciment, Inc.
City of Kent
Cranefoundation, Inc.
Electroimpact, Inc.
Fidelity National Title
FLIR
Island Thrift, Inc.
FRC 2980
Andrew Gebhart
Boeing Matching, FRC 492
15 to 1: Jermaine Kearse Foundation
Ali Khaki
Microsoft Matching, FLL 17513
Microchip
Robert Neckoruk
Microsoft Matching, FRC 4911
Pape’ Materials
Puppet Labs
Puyallup Tribe of Indians Charity Trust
$1,000 - $4,999
Kumar Rajeev
Microsoft Matching, FLL 10197
Ramprabhu Ratham
Microsoft Matching, FTC 9455
Skagit Community Foundation
Brian Thomas
James Troy
Boeing Matching, FRC 1318
ALTEK, Inc.
Ronald Aigner
Microsoft Matching, FLL 58
Conrad Ball
Carl Bangle
Ronald Bansal
Microsoft Matching, FLL 10720
Marjorie Blanco
Boeing Matching, FLL 6778
Scott & Margaret Bright
Heidi Burkett, 95th Avenue Academy
Haichen Cheng
Microsoft Matching, FRC 1750
Chengyun Chu
Microsoft Matching, FLL 20770
R. Steve Coker
Lynne Dong
Microsoft Matching, FLL 6792
Suneetha Dhulipala
Microsoft Matching, FTC 10424
Duper Foundation
James Edie
Boeing Matching, FRC 3574
Maureen Frisch
Global Tech Plastics
Roy Goh
Microsoft Matching
Green Diamond Resources
FRC 5295
Navneet Gupta
Microsoft Matching, FLL 17360
Melissa Harriman
Har-Har LLC
FRC 5920
Jansen Hills
Boeing Matching
Chris Helms
Microsoft Matching, FRC 492
Bhargavi Hiremagalur
Microsoft Matching, FRC 4185
Thanh Hoang
Microsoft Matching, FLL 3393
Mark Hofer
Isosion, Inc.
Mayur Jagtap
Microsoft Matching
Donald Jansen
Boeing Matching
John Justice
Microsoft Matching, FLL 10718
Mitul Kacheria
Microsoft Matching, FLL 20401
Jay Kallaher
Microsoft Matching, FRC 3786
Kevin Kallah
Microsoft Matching, FRC 3786
Tammy King
Microsoft Matching, FRC 2930
Leif Kornsstaedt
Microsoft Matching, FLL 58
Pramil Kuchhal
Microsoft Matching, FTC 17360
Deepak Kumar
Microsoft Matching, FTC 10424
Dharmesh Kumar
Microsoft Matching, FTC 2930
Preettha Kumaresan
Microsoft Matching, FTC 10424
Langco NW, Inc.
FRC 5290
Jie Li
Microsoft Matching, FLL 20401
MAJII, Inc.
Ramesh Manne
Microsoft Matching, FRC 5827
Carmen Marshall
Boeing Matching
Cathy Fallen-Mathews & Keith Mathews
Dave & Erin McCallum
David McDermott
Boeing Matching, FRC 492
Barry Meaker
Boeing Matching, FRC 3786
Alida Mendes
Microsoft Matching
Microscan Mfg., LLC
NMHG
Northwest Chinese School
FRC 9915
Pacific Metallurgical Inc.
Palouse Grain Gowers, Inc.
FRC 5920
Palouse Chamber of Commerce
FRC 5920
Usha Pandurang
Microsoft Matching, FLL 10720
Perkins Cole
Brian Predmore
Boeing Matching, FRC 3574
Quatitel
FRC 4512
Ramprabhu Rathnam
Microsoft Matching, FTC 9455
Red Dot Corporation
Edie Riddle
FRC 5920
Eric Sabetti
Microsoft Matching, Sverve
Aaron Schmitz
Microsoft Matching, FRC 949
Sulabh Shrivastava
Microsoft Matching, FLL 9763
Arlo Siemens
Microsoft Matching, FLL 58
Starbucks
Subaru of Puyallup, Inc.
FRC 3393
Arun Subhas
Microsoft Matching, FLL 10781
Xun Sun
Microsoft Matching, FLL 20401
Manoj Syamala
Microsoft Matching, FRC 9763
Brian Thomas
Tri-Tech Manufacturing, LLC
Tulalip Tribes Charitable Contributions
Jim Troy
Boeing Matching, FRC 1318
US Digital
FRC 3574
Ramanathan Venkatapathy
Microsoft Matching, FRC 10424
Raja Venkatachalam
Microsoft Matching, FRC 10424
Paul Vitellaro
Boeing Matching, FTC 3574
Alan Walker
FRC 5295
Washington Opportunity Scholarship
Washington Women's Foundation
FRC 2910
Women in Technology
Christoph Wimmer & Susan Collins
Victor Zou
Guoguang Zhang
Microsoft Matching
$500 - $999
Govind Agarwal
Microsoft Matching, FLL Jr 4185
Anuj Bansal
Microsoft Matching, FLL 10720
Carols Blanco
Microsoft Matching, FRC 2930
Stephen Carlson
Center for Advanced Manufacturing
Puget Sound
Sivi Challa
Microsoft Matching
Chengyun Chu
Microsoft Matching, FLL 20770
Graber Trust
FRC 1318
Michael Gutmann,
FRC 4089
Navneet Gupta
Microsoft Matching, FLL 17360
Habitat for Humanity of Island County
FRC 2980
Srinivas Kandiband
Microsoft Matching, FTC 10424
Krieg Construction, Inc.
FRC 2980
Mike and Tracy Milano
FRC 5920
Prakash Modi
Sverve
Eric Nelson
Honeywell Giving
**North Whidbey Lions Club**

**FRC 2980**

**Northwest Designs**

**Kyle Quinn**

**Society of Cable Television Engineers**

**Tableau Foundation**

**Employee Engagement Fund**

**Raja Venkatchalam**

**FLL 10424**

**Brett Waldbaum**

**FLL Jr 4456, 4457**

**Lisa White**

**Dave Whitney**

**Microsoft Matching, FLL 10720**

**Victor Zou**

**Microsoft Matching**

$1 - $499

**Scott Abbott**

**Adobe**

**FLL Jr 1934**

**Stephen Amorosi**

**Loren Ayotte**

**Boeing Matching, FRC 3786**

**Kevin Barney**

**Paul Barry**

**Penico Insurance**

**John Bartho**

**Nathan Bauer**

**F5 Networks Matching, FRC 2149**

**Doug Baugh**

**Shauna Bennett**

**Alisha Benson**

**Greater Spokane Incorporated**

**Phil Bickford**

**Andrew Bliss**

**Rob Branson**

**Igor Braginsksky**

**Catherine Brazil**

**University of Washington**

**Frank Brisse**

**Microsoft Matching, FTC 3805**

**Steve Burke**

**Tyson Cady**

**Tim Callahan**

**Sreedevi Chaganti**

**HUB Sports Center**

**David Chen**

**Lauren Cohen**

**William Cooper**

**FRC Program**

**Del Costy**

**Kathy Courter**

**Boeing Matching, FRC 3805**

**Julie Courtney**

**Shannon & Associates**

**Mary Cullinan**

**Eastern Washington University**

**Michael Dahlgren**

**Boeing Matching**

**David Dammann**

**FRC 3574**

**Brian Day**

**Everett School District**

**Geoff Deane**

**Suneetha Dhinipalla**

**FLL 10424**

**Ying Dong**

**Tony East**

**Microsoft Matching**

**Michael Edwards**

**Janet and Mike Eggleston**

**Bill Evdion**

**Eric Fitzpatrick**

**ANBL Inc.**

**Dennis Garrett**

**Boeing Matching, FRC 3574**

**Evon Goldring**

**FLL Jr 4456, 4457**

**Sri Gorantla**

**Microsoft Matching, FTC 10424**

**Dianne Gordon**

**Kalan Guiley**

**Boeing Matching**

**Catherine Guyot**

**Sheereen Henry**

**Jennifer & Matt Henshaw**

**Microsoft Matching**

**Phil Hermes**

**Bryan Hester, CBRE**

**Todd Hollander**

**Boeing Matching**

**Weiping Hu**

**Adam Huson**

**F5 Networks Matching, FRC 2149**

**Clarence Ince**

**Microsoft Matching, FRC 2980**

**John Jones**

**Srinivas Kandibanda**

**FLL 10424**

**Andrew Karmer**

**in honor of Thomas Haff**

**Anthony Levi**

**Richard Lewis**

**Microsoft Matching**

**Lily Ley**

**Brad Liberg**

**Bill Linzbach**

**Microsoft Matching**

**Chris Longston**

**Pamela Lund**

**Janis Machala**

**Mark Mackin**

**Caroline Maillard**

**Boeing Matching**

**Dirk Maiwald**

**David & Susan Martucci**

**Duncan McAlpine**

**Matt Medlin**

**Dr. Gil Mendoza**

**Kristin Meyer**

**Theresa Meyer**

**Carrie Miceli**

**Chris Miller**

**Jeffrey Miller**

**Boeing Matching**

**Allyn Morris**

**Boeing Matching, SWERVE**

**Kimbely Motonaga**

**Boeing Matching**

**Dan Nowlin**

**Boeing Matching, FRC 3574**

**Oak Harbor Rotary Club**

**FRC 2980**

**Narinder Kaur**

**FLL 20770**

**Key Compounding**

**Dustin and Charlene Klein**

**FRC 2980**

**Ian Kowalchuk**

**Microsoft Matching**

**Kroger**

**Tyler Lafferty**

**Paul Lambert**

**Kelly Lawson**

**Harriette Leitman**

**Microsoft Matching, FLL 4054**

**Tom Leonard**

**Jason Lesley**

**Kevin Oldenburg**

**Bill Otto**

**Usha Pandurangi**

**FLL 10720**

**Lakshmi Puttawamy**

**Boeing Matching, FLL 6778**

**QUAL-FAB, Inc.**

**Robert Ralphs**

**Boeing Matching, FRC 2980**

**Cathy Reines**

**Ben and Dana Riley Black**

**Marcel Rivard**

**AT&T Employee Giving, FTC 417**

**Ryan Romney**

**F5 Networks Matching, FRC 2149**

**Helen Sandifur**

**Sriram Sarda**

**Microsoft Matching, FLL Jr 4349**

**Stuart Schaefer**

**Microsoft Matching**

**Tami Schwartz**

**Darwin Schweitzer**

**Peter Scott**

**Changsong Shen**

**Microsoft Matching**

**Andy Shouse**

**Linda Shupack**

**Atul Sikaria**

**John Smilgin**

**Michael Sorensen**

**Boeing Matching**

**Deborah Squires**

**Steve Summers**

**National Instruments**

**Engagement Fund**

**William Swartz**

**Curtis Takahashi**

**Cheping Tang**

**Brogan Thomsen**

**Andres Toussaint**

**FRC 3574**

**Robin Troy**

**Brad Turner**

**FRC 4456, FLL Jr 57**

**Michael VanderWel**

**Boeing Matching**

**VAQ 134 First Class Association, FRC 2980**

**Why I Donate...**

“The FIRST Washington program is one of the few we’ve seen that encourages and motivates talented young people to pursue higher education in technical fields. Involvement in the FIRST Washington program allows for kids at all ages to work in a team-oriented environment on a challenging project that involves experimentation, problem solving, meeting deadlines – all things they will eventually face in future work environments. It’s a great program that helps not just Crane, but helps the U.S. compete against global competitors in a tremendously competitive worldwide market for talent and ideas.”

- Rick Jones

**Crane Aerospace & Electronics**

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- Rick Jones

**Crane Aerospace & Electronics**
The impact of the FIRST Washington programs is due to the unparalleled support of the many dedicated volunteers and passionate mentors who have helped shape them into tomorrow's thinkers and leaders. Thank you.

WHY I VOLUNTEER...

"It is important for me to continue to support FIRST as a volunteer and donor because I have experienced firsthand the positive impact FIRST can make on a student’s life. I am glad I can now enable more students to experience the hands-on, mentor-led, holistic team-building experience I received that will help shape them into tomorrow’s thinkers and leaders."

-Alida Mendes
Our Coaches and Mentors

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**WHY I MENTOR...**

"The type of program (FIRST) we run here gives students the opportunity to experience things that other low income students just don't get to experience. The student learn that there are more choices of careers out there and they are just as capable as their more affluent counter parts to be successful in those careers."

—Christopher Beyrouthy

Wapato High School FRC Mentor
Our Board of Directors

Janis Machala
First Washington Board Member and Managing Partner Paladin Partners

“FIRST Washington is an incredible organization that inspires students to explore the STEM arena, but more importantly, has tremendous outcomes in engaging youth to complete high school and pursue college and careers in STEM. I was looking for an organization, where I could lend my volunteer time, that makes a tremendous difference to the pipeline of diversity, engages underprivileged students, and has an engaged ecosystem of mentors and volunteers. I only found that opportunity in FIRST Washington.”

- Janis Machala
FIRST Washington Board Member and Managing Partner Paladin Partners
Stay Connected!

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