

2018-19 Annual Report

FIRST® WASHINGTON

EXPLORE LEADERSHIP TEAMWORK LEARN COOPERATION VOLUNTEER



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A MESSAGE FROM OUR LEADERSHIP

You are part of an incredible community and movement, helping to inspire young people ages 6-18 toward the pathways that could one day take them pro. Thank you for being part the community that ignites the sport of science, technology and teamwork.

2018-2019 has been a year of maturing our business, focused on sustainability and strategic growth in school districts and communities. Because of you — our donors, volunteers, teachers, school district leaders and parents — we are reaching into communities and schools that would not have seen themselves as STEM worthy and for that we are so grateful to each of you in being our partners in carrying forward the vision of bringing FIRST programs to every school across our state.

Thank you for your investment of dollars, mentorship and time, courage and enthusiasm. TOGETHER, we are helping to change the world and building a pipeline of young people across Washington State who will be tomorrow's community ambassadors and leaders.

Gratefully,



Christoph Wimmer
Chair, Board of Directors

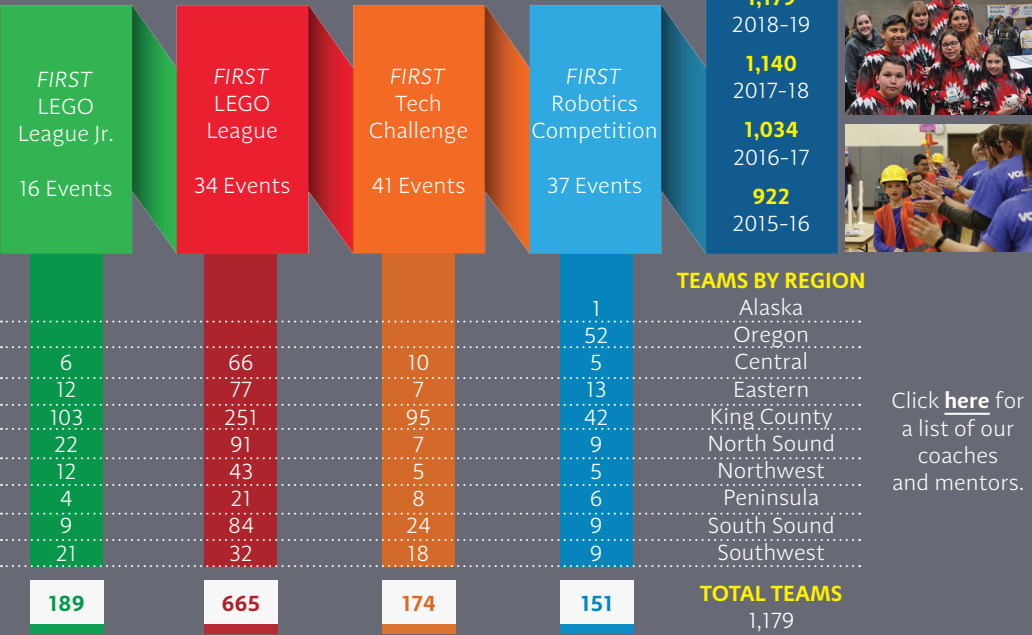


Erin McCallum
President



OUR IMPACT

*Our teams love to train,
outreach, educate and compete!*



Click [here](#) for
a list of our
coaches
and mentors.

Click [here](#) for
our calendar
of events,
workshops,
kickoffs,
and more!



VOLUNTEERS ARE THE CORNERSTONE OF OUR PROGRAM / 558,000 hours of volunteer service

FIRST WASHINGTON PROGRAMS
IMPACT ON FAMILIES / 14,316 families reached

SCHOOL PARTNERSHIPS / 940 teachers trained
impacting 50,000 youth

Financial Report

: **REVENUE** \$2,569,924

: Program Service \$476,481 | Contributed \$2,093.443



: **HONOR ROLL**

: Over 500 Donors



: **EXPENSES** \$1,867,696

: Programs \$1,443,010 | Administrative \$184,982 | Fundraising \$237,704

We
make an
impact.

We have
committed
supporters.

We build
a strong
foundation.

Click [here](#) to read our
Honor Roll List.



.....OUR STORIES

Beep boop!

*That's, "Hello, my name
is Sean Messenger"
in Robot.*

Beep boop! That's "hello, my name is Sean Messenger" in Robot. **I am a *FIRST* Alum and former President of *FIRST* Robotics Team 2046 "Bear Metal" and went on to get a double major in Engineering and Computer Science from Harvey Mudd College, and later a Master's in Robotics from the University of Michigan.** I now work as a Senior Robotics Engineer and one of the founding employees of May Mobility, a startup in Michigan that is developing self-driving vehicles. We have vehicles on the road servicing customers in 4 different cities today as I'm now on the front line of autonomous systems. I am living the dream of enjoying the fun I get to do day in, day out. It's not work, it's fun .

In my time with the program as a student, I developed an interest in leadership from opportunities it presented while simultaneously growing my technical skills far ahead of non- *FIRST* peers. I was able to arrive at college with substantial machine shop experience, embedded software engineering background, and an attitude of considering the bigger picture by working as a team instead of an individual. **I was able to find life-long mentors and role models that I continue to consult with and learn from today.**

I've been volunteering with *FIRST* since I was on an *FIRST* Robotics Competition team in 2009 where I started my volunteering career as an Event Coordinator for Pacific Northwest's first double *FIRST* Tech Challenge qualifier and have since moved on to volunteer as an FTAA, a referee, a judge advisor, and most recently as an Field Technical Advisor for *FIRST* Tech Challenge and *FIRST* Robotics Competition (including at World's for three years running). In that time, I've volunteered over 4,000 hours for *FIRST* .

Why? Because I firmly believe in the value this program brings to students, and it's one way I can give back to the program that was so critical in setting me up for success. I also enjoy volunteering, but **I mostly keep coming back because of the impact I continue to see us have on the next generation of engineers, scientists, artists, and leaders.** The positive impact I personally gained from *FIRST* is still felt today, 13 years after I first saw a clunky, foreign, and intriguing *FIRST* Robotics Competition robot at a community parade.





Faces of Engineering

Because of Faces of Engineering, I have so much more confidence. As a person who is extremely nervous to join new things, robotics was no exception. However, I was told right off the bat that I'm important and capable. This made it so much easier for me to push myself to reach the potential I knew I had, which placed me in multiple different leadership positions that continued to push me and develop me as a person. **Now as a college student, when I walk through the engineering building, I know I belong.**

Even more obvious is the impact it has had on my robotics team. Five years ago, when I was a freshman, there were six girls, three of which were freshman. Last year, all three of us graduated. On the team, we had 15 girls, just under 50% of our 31 team members. It was incredible to see the number of female participation on our team increase so dramatically.

Ande Schoonover Class of 2019
FIRST ROBOTICS COMPETITION TEAM #4980
CANINE CRUSADERS, KETTLE FALLS

- The faces of engineering campaign
- was very impactful not only to
- myself but to my community
- as well. **This campaign gave**
- **women interested in STEM more**
- **confidence and support in making**
- **decisions regarding going into**
- **the highly male-dominated field.**
- Being a part of a campaign that
- inspired women to pursue STEM
- truly helped give me confidence
- going into college that a STEM
- major is what was meant for me.
-
- *Taylor Dunlap Class of 2018*
- FIRST ROBOTICS CHALLENGE
- TEAM #4980
- CANINE CRUSADERS
- KETTLE FALLS

*“I was told right off the bat
that I’m important and capable.”*

Meet Jacob Woodley!

Jacob is a very intelligent young man who has autism and a genuine passion for computer programming. Although he can struggle socially, being part of Enumclaw High School Robotics has helped him grow into a confident and valuable member of the team. As Jacob's mom (and EHS Robotics Administrative Mentor) I have watched how his participation in *FIRST* has helped him learn valuable life skills and practice "*Gracious Professionalism*". I get to enjoy watching his drive, creativity and determination grow every year.

FIRST has been an integral part of Jacob's high school years. As a Senior with a 4.0 GPA, he is excited to see where his passion and drive will take him. I will be sure to take a photo of him at graduation wearing his Honor and *FIRST* cords!

Sincerely,
Sheila Woodley-Fend
Proud Mom of Jacob Woodley

*"Being part of
Enumclaw High
School Robotics has
helped him grow
into a confident and
valuable member
of the team."*



The Business Side of Robotics Helped Shape My Career!

I am not very good at math or science or even technology for that matter. My engineering skills are negligible, my coding passable, and it's best we don't even mention my Calculus grade; however, **this exact lack of talent is what made me successful at FIRST Robotics.**

I competed in *FIRST* Robotics Competition for three years with Team Reign 5588 and during that time helped build and captain our fledgling team from rookie to maturity. While there, **I was lucky enough to meet the geniuses of our generation; the people who will go on to take space travel, medicine, and sustainable**

technology to the level of science fiction. Their current and future success will improve our world beyond measure; however, there is a whole other side to *FIRST* Robotics that isn't mentioned in the STEM acronym: Business. Because of *FIRST*'s unique emphasis on interpersonal team relations and written awards they carve out a special niche for those who may be lacking in technological abilities but shine in networking, writing, and delegating. My experience at *FIRST* directly contributed to my decision to become a Finance major at Fordham University and the skills I learned from their

collaborative environment continue to help me at networking and public speaking events as well as job interviews. Having robotics on my resume even helped land me an internship in New York City for a premier membership institution with a required threshold of \$10 million of investable assets. **This job has absolutely nothing to do with building robots but has everything to do with *FIRST*'s mission to "... foster well-rounded life capabilities including self-confidence, communication, and leadership."**

You don't have to love or even be good at STEM to benefit from robotics because the educational opportunities extend far beyond technical knowledge. **While I lack certain traditional skills, *FIRST* gave me the opportunity to discover my passion and future career as well as provided the resume building blocks in order to achieve it.** After all, someone has to build the robot, someone has to program it, but most of all, someone has to pay for it.

Addie Boileau
ALUMNI FIRST ROBOTICS CHALLENGE
TEAM #5588
HOLY NAMES ACADEMY, SEATTLE



"The geniuses of our generation."



STRATEGIC PLAN

EXPAND PARTICIPATION

Help K-12 school teachers gain the skills and confidence to teach students STEM/CS.

INCREASE DIVERSITY

Foster a community that embraces the philosophy of “Exposure is Everything”.

SCALE EFFICIENTLY

Reach more students via strategic partnership and self-serve models.

ENSURE SUSTAINABILITY

Raise the financial resources through private and public entities.

ACHIEVE BROAD RECOGNITION

Enhance marketing efforts to build case for support in growing/sustaining *FIRST* programs in diverse communities.



Click [**here**](#) to read our entire 2018 Strategic Plan.

**BE A
COACH/MENTOR
OR HELP US
FIND MENTORS**

For just a few hours per week, you can inspire a team of young people in helping them open their eyes to opportunities for their future.

Learn [here](#) how you can make a difference.

**MAKE A
FINANCIAL GIFT**

Launch *FIRST* programs into a community/school that never believed that they could bring these quality programs to their community. Your generous gift can be the launching pad for tomorrow's innovators and change a young person's trajectory.

Donate today [here](#).

**GIVE A DAY AND
VOLUNTEER AT
A FIRST EVENT**

Change a life by simply giving a Saturday or Sunday by volunteering at one of *FIRST* Washington's competitions. It will likely be one of your most rewarding days of the year!

Click [here](#) for event volunteer opportunities.

..... **HOW TO GET INVOLVED**



