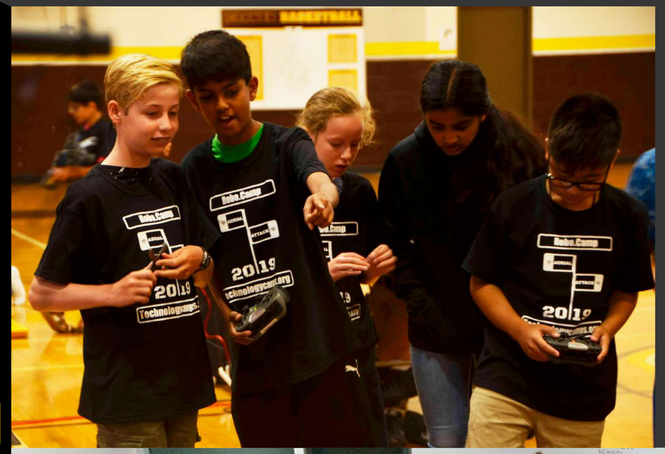
OUR LEGACY

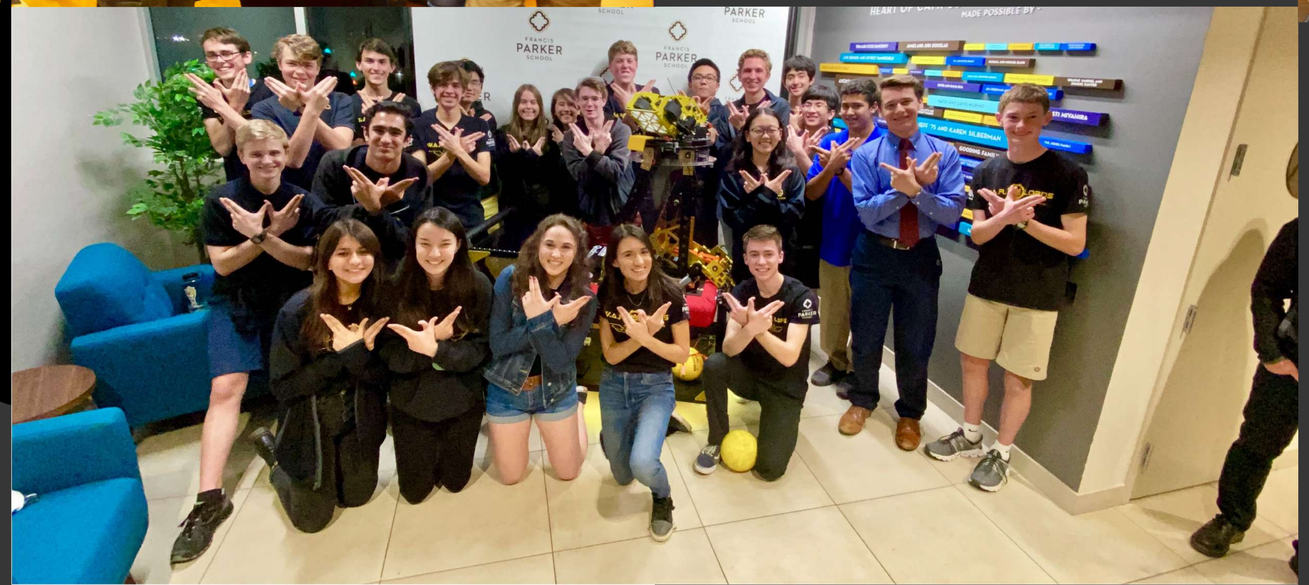
W.A.R. LORDS

2485

CREATING OUR LEGACY

PROJECT MERCY - Over the past 7 years we have built 15 houses in Tijuana, Mexico.
BATTLE AT THE BORDER - In 2010 we partnered with FRC team 1538 to host and run Battle at the Border.
ORIONED - A comprehensive education initiative to inspire interest in STEM at a young age.
ROBO.CAMP - We have run a youth summer camp with Team 987 for the past 6 years
HACKATHON - This year we had over 50 students attend our Hackathon.





KEY NUMBERS

51 STUDENTS ATTENDED OUR 2019 HACKATHON

40 STUDENTS REACHED LAST YEAR AT ROBO.CAMP

20 HANDS-ON ROBOTICS SESSIONS RUN (PAST 5 YEARS)

02 HOUSES BUILT AT PROJECT MERCY FALL 2019

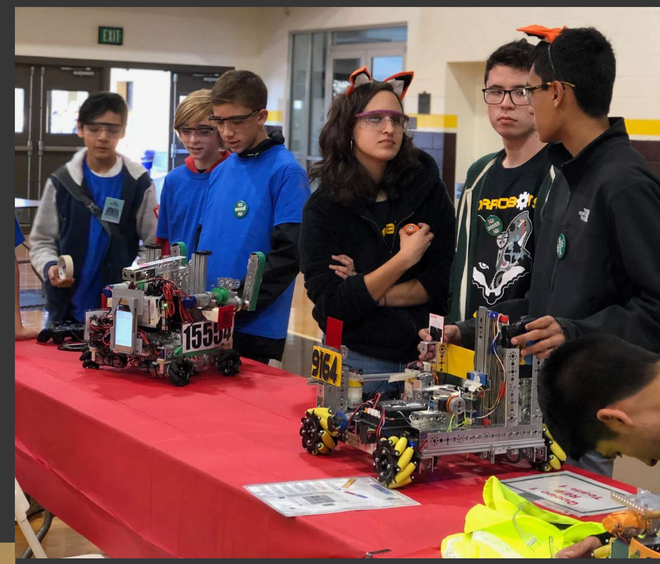
04 FLL TEAMS MENTORED

33 TEAMS IN ATTENDANCE AT BATTLE AT THE BORDER

3K TRAINING HOURS COMPLETED IN FALL 2019

SUSTAINING OUR LEGACY

TRAINING PROGRAMS: Our veteran students train our rookies using a variety of multiple 101 and 1-on-1 programs that teach students topics ranging from the basics of our team to robot programming and graphic design.
FLL & FTC: We host and mentor 2 FTC teams on our campus and host FTC competitions, including the San Diego Regional. We also started and mentor 4 FLL teams at our middle school.



EXPANDING OUR LEGACY

WOW - Our program to empower high-school girls to take risks and be engaged in STEM. We have expanded our WOW program to encompass 6 teams internationally.
FULLCIRCLE - Last season, we partnered with FRC Team 6814 to mentor 9 rookie teams, helping them earn a combined 17 awards
SCOUTING ALLIANCE - Last year, we partnered with 20 teams across 6 divisions to create reliable match data at the Houston Championship.

CREATING

PROJECT MERCY

Through Project Mercy, we travel to Tijuana to build houses for families in need. Our goal was to assist these families using skills that we learned through robotics. For the past 7 years, our team has built a total of 15 houses. We even bring LEGOs for the kids to play with. Every year, it's very rewarding to see all of the houses that we had built and recognize kids that we had played with on previous trips.

BATTLE AT THE BORDER

Battle at the Border is Southern California's largest off-season FIRST Robotics competition, co-run by Teams 1538, 2485, and 5025. This competition is a great way to introduce the competition of FIRST and the previous robot to new members of the team. This year we had a record attendance of over 30 teams.

ORIONED

We developed our OrionEd Program into our Hands-on Robotics and our Secret to a Better Robot workshop. Every year for our Hands-on Robotics workshop we go to schools and other community gatherings to introduce STEM to the community. We have hosted the Secret to a Better Robot Workshop at the Houston Championships every year for the last four years.

ROBO.CAMP

Robo.camp is a stem based summer camp where 3rd through 8th graders build, design, and program vex and lego robots. We co-run this program with Team 987, and have given out 12 scholarships to camp who would otherwise be unable to attend. With the goal of providing opportunities for younger students to get exposure to STEM we have been successful and look foward to our next year.

HACKATHON

Our Hackathon is a free 12 hour coding competition for high school students that is run entirely by students and mentors from FRC Team 2485 with the goal of bringing together high school programmers from all over Southern California to learn and compete. This year we had over 50 students breaking our previous record.

SUSTAINING

1 ON 1 AND 101 PROGRAMS

Our 101 and 1-on-1 programs are run in the offseason to prepare students to be impactful members during the season. We have 3 mandatory classes, Shop 101, Team 101, and Safety 101. From there, we strongly recommend that all students take more advanced training courses to prepare themselves for the build season. This year, students led/attended more than 1000 training sessions, 3000+ hours in total.

FIRST TECH COMPETITIONS

We haved hosted and mentor FTC Team 10092 since 2015 and team 14195 since 2018. While we work on our robot, these teams work in the dedicated workspaces we provide them. Our team members often help out to accomplish our goal of establishing deeper conenctions among different branches of FIRST. This year we also hosted multiple FTC regionals, including 3 league meets and 1 regional qualifier.

FIRST LEGO LEAGUE

We founded and currently mentor 4 FLL teams based in our middle school. These four teams have been very successful and we look forward to their member joining the W.A.R. Lords. This helps us create a pipeline into FRC. For example, 70% of FLL students become W.A.R. Lords, 31% of Team 2485 is currently comprised of former FLL members.

EXPANDING

WOW

When started six years ago, the goal of WOW was to increase female memeber retention and engagement. We also looked to increase the percentage of female mentorship. At the beginning we had about 29% female member. Five years later, 41% of our team was female. In addition 93% of these members have graduated to study STEM fields. With this program being as successful for our team as it has been we have expanded to multiple more teams internationally and look to continue expanding.

FULL CIRCLE

Last season, we joined forces with FRC Team 6814 and became a mentor team in their FullCircle program. This gave us the opportunity to mentor 9 rookie teams—primarily in business-related areas—helping them earn 17 awards total, including 6 Rookie All-Star Awards (at the district, regional, and district championship levels) and 4 Rookie Inspiration Awards. We plan to continue providing our mentorship services to the program in the coming years and help more rookie teams find success in FRC.

STRATEGY SUBTEAM

In recent years, our strategy subteam has created a scounting alliance, helping partners-make informed decisions at competitions with reliable match data. At the 2019 Houston Championship, we partnered with 20 other teams across all 6 divisions--collecting thousands of data points--to provide valuable insights to several younger and international teams

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