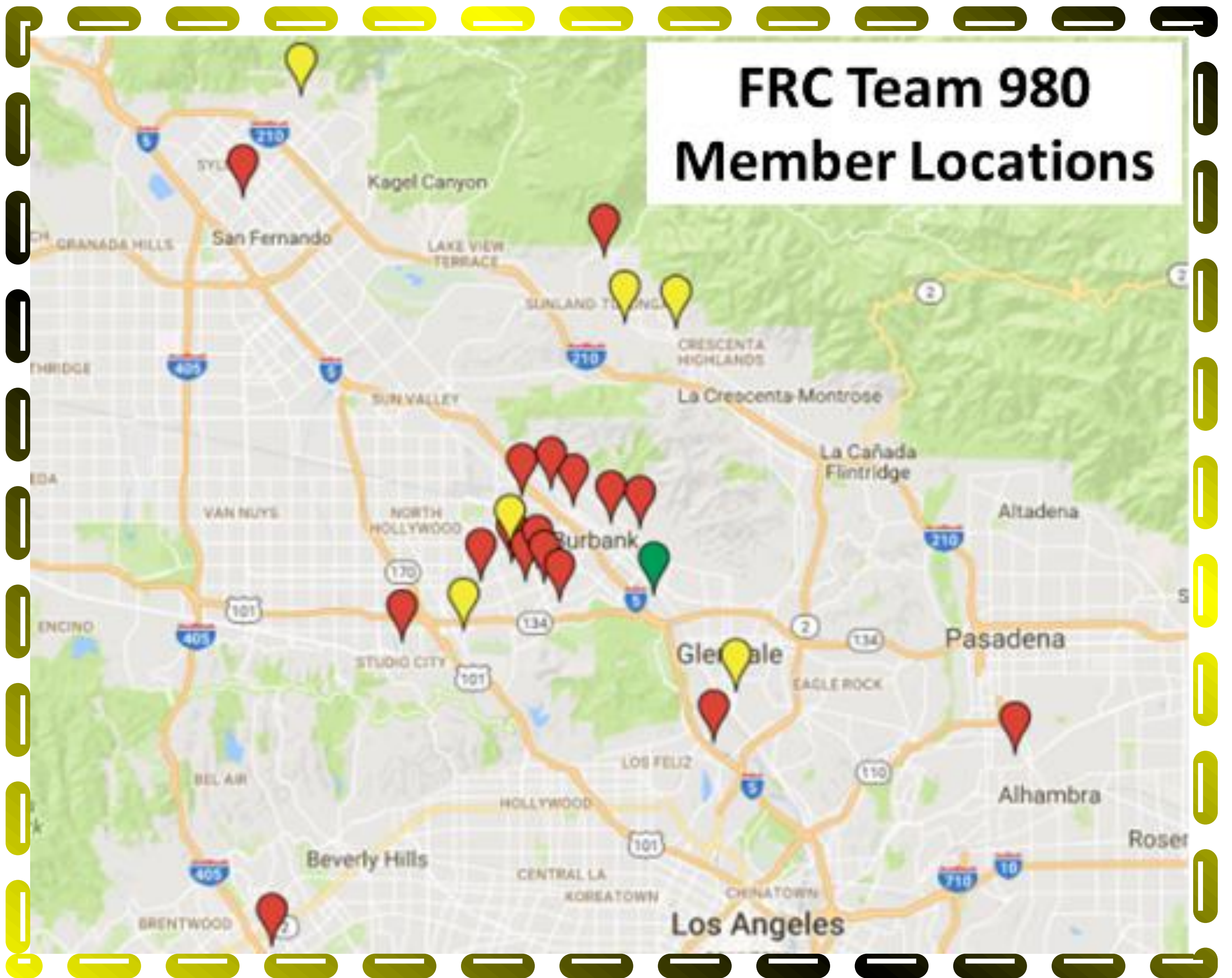


**2017 CHAIRMAN'S
AWARD**

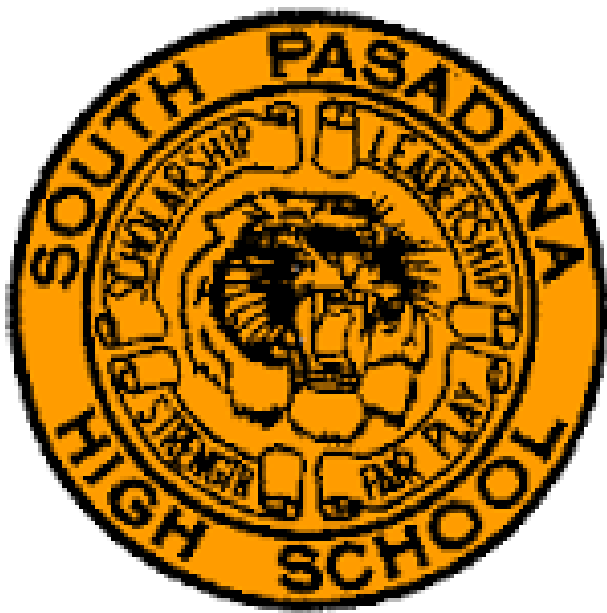
PRESENTATION

FRC TEAM 980 STUDENT AND MENTORS MAP



Our footprint covers an area of over 2 million people.

Team 980 Members' Schools



27 active students
11 different schools

Balanced Scorecard (BSC)

Team 980 3-year strategic plan

PERSPECTIVE	OBJECTIVES	INDICATORS	GOALS					
			Dec-15	Dec-16	Dec-17	Dec-18	Dec-19	
	Inspire a growing number of high school students	Number of students participating throughout the year	N/A	N/A	40	50	60	
Mission	Educate HS students in STEM	Average number of training hours in STEM per year x number of registered members (220 hours per year per student)	3520 hours received	4400 hours received	5500 hours received	6600 hours received	7700 hours received	
	Growing number of members	Number of registered members	16	20	25	30	35	
	Maintain mentors engagement	Number of registered mentors	n/a	n/a	12	13	14	
	Be an effective team	Make it into eliminations in at least one regional tournament		yes	yes	yes	yes	yes
		Be awarded at least one individual or team award		yes	yes	yes	yes	yes
	Be active in Inter-team cooperation	Number of teams that we support or partner to execute an activity	4	5	25	30	35	
	Promote FIRST mission	Number of people who received information about FIRST	3000 people	3500 people	50,000 people	60,000 people	75,000 people	
Customer	Be active in community service	Number of community event attended as a team	5 activities	7 activities	8	10	12	
Processes	Recruiting and induction	Number of students recruited in year	5	10	15	20	25	
		Number of recruiting events	3	5	6	7	8	
		Percentage of student retention	85%	95%	95%	95%	95%	
	Marketing process	Number of press mentions of Team 980	3	5	5	6	7	
		Simple and effective designs to meet our game objectives	90%	100%	100%	100%	100%	
	Effective design	Number of students using CAD to contribute to the robot design	2	4	4	5	6	
		% of team utilizing organizational tools	n/a	n/a	80%	90%	95%	
	Solid fabrication	Competition robot complete	1 week before bag day	2 weeks before bag day	2 weeks before bag day	2 weeks before bag day	2 weeks before bag day	
		Build a second robot on time	on bag day	one week before bag day	one week before bag day	one week before bag day	one week before bag day	
	Effective controls	Student contribution to the source code	50%	80%	90%	90%	95%	
		Student contribution to the control design	50%	80%	90%	100%	100%	
		Controls features meet robot design objectives	85%	95%	100%	100%	100%	
	Personal Growth	Personal development	Percentage of graduating students who go on to higher education	n/a	n/a	95%	95%	95%
Commitment		Attendance	80% of students with 70% of attendance, no student with less than 50%	90% of students with 80% of attendance, no student with less than 50%	90% of students with 80% of attendance, no student with less than 50%	95% of students with 80% of attendance, no student with less than 50%	95% of students with 80% of attendance, no student with less than 50%	
			Number of hours for leadership and team work training	4	6	8	9	10
Financial	Increase partnership with sponsors	Updates sent within the year	2	3	3	4	4	
	Get new sponsors	Number of potential new sponsor meetings	5	10	12	12	13	
		Number of new sponsors secured	2	3	3	4	4	
	Increase Student Fundraising	Amount of money raised by students	\$4000	\$5000	\$9800	\$10,000	\$12,500	

Key Items From the BSC that align with FIRST Mission

Student Growth

OBJECTIVES	INDICATORS	GOALS		
		Dec-16	Dec-17	Dec-18
Growing number of members	Number of students in the year	20	25	30

Our goal for Dec 2017 is to have 25 students: we already have 27 active students.

Promoting FIRST

OBJECTIVES	INDICATORS	GOALS		
		Dec-16	Dec-17	Dec-18
Promote FIRST mission	Number of people who received information about FIRST	3500 people	50,000 people	60,000 people

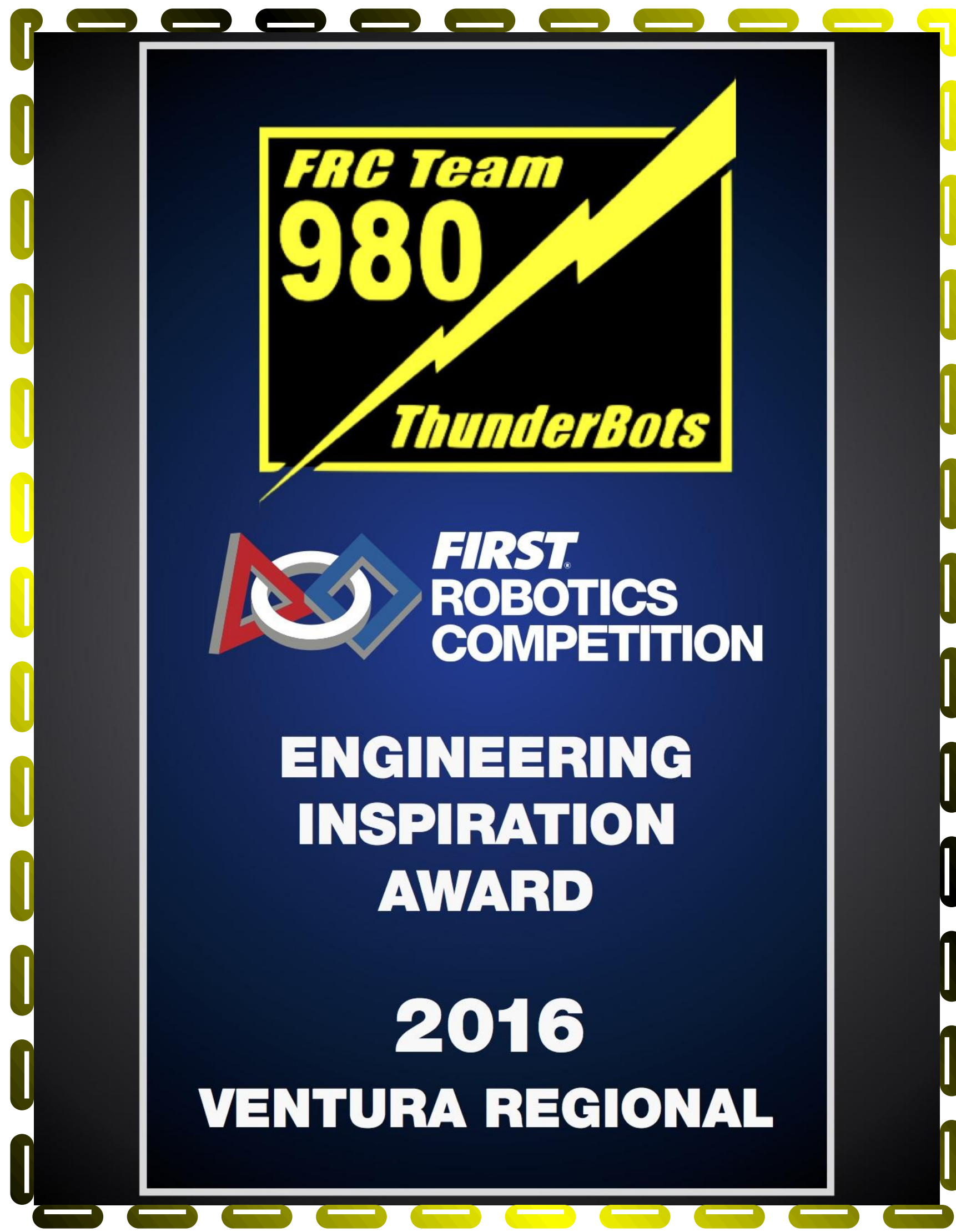
We set of goal of reaching 3500 people by Dec 2016... in 2016 we reached over 1 million!

Inter-team Cooperation

OBJECTIVES	INDICATORS	GOALS		
		Dec-16	Dec-17	Dec-18
Be active in Inter-team cooperation	Number of teams that we support or partner to execute an activity	5	25	30

In 2016 we partnered with over 30 different FIRST teams execute community and outreach events.

2016 Championships



DiscoveryCube Los Angeles

FIRST Robotics Day at DCLA: FLL, FTC and FRC

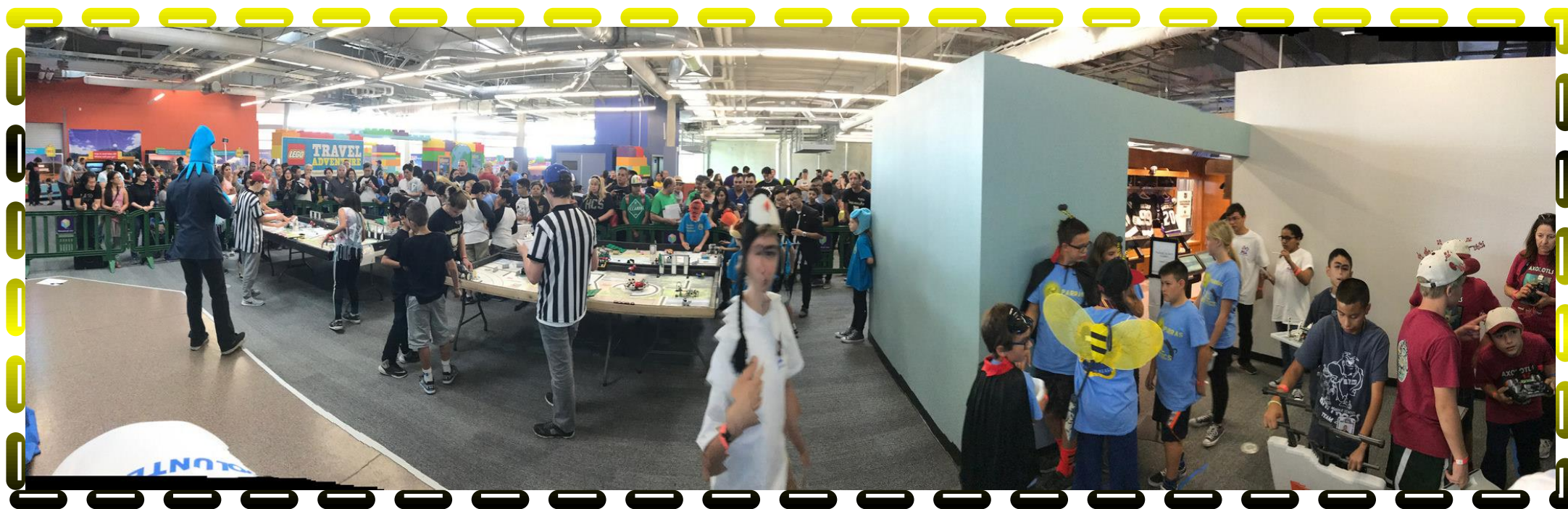


We did our Dean's Homework with Rep Tony Cardenas (CA-29th)



With some future FLLers!

DCLA's First FLL QT



The Fosters



9 FRC Teams, including ThunderBots+ (students from Team 980 plus others).
Audience reach of nearly 1 million viewers!

Dodger Stadium



We're on the DiamondVision



OMG it's the Macarena!



FIRST takes the outfield!

Boy Scout Expo



For our 3rd year at Scout Expo, we hosted the first dedicated STEM section - and welcomed 10,000 scouts!

Spark of Love Toy Drive



We partnered (2nd year) with the Burbank Fire Department for the KABC 7 “Spark of Love Toy Drive” to collect toys for underprivileged children in our community.

Our Community Team

Team 980 Kicks Off It's 2017 Season

Team 980 is kicking off our 2017 season, which we're hoping will be even more successful than 2016!

FIRST Robotics Competition Team 980 ThunderBots at the 2016 Ventura Regionals.

FIRST Robotics Competition Team 980 ThunderBots is kicking off the 2017 competition season.

2016 was a very successful year for the team. They won the prestigious Engineering Inspiration Award at the Ventura Regionals – which included an invitation to the World Championships, registration paid by NASA – and Mentor David Toyne won the Woodie Flowers Finalist Award.

2016 was also a year of growth and expansion for the team. With new mentors, new sponsors, and many new student members, FRC Team 980 ThunderBots is “inspired” to do even better in 2017.

FRC Team 980 ThunderBots is a part of FIRST (For Inspiration and Recognition of Science and Technology), an international robotics program. Every year FIRST releases a new robot “game.” FRC teams then have six weeks to design, build and program a 120-lb robot to play the game in District, Regional and World competitions. Student members work and problem-solve in professional engineering environments, with the robots designed to function together in cooperative alliances. This idea of ‘co-opertition’ and is one of the fundamental ideals of FIRST.

FRC Team 980 ThunderBots is a community team based in the Burbank/ Glendale/NE Los Angeles area. Students from any high school or high school age program can join.

The team is dedicated to enriching the lives of students through applications of engineering and technology. At their build space in Glendale, students receive mentorship from top-tier engineers at companies such as JPL, Disney Imagineering, and Boeing. Through this process of designing and building the robot, the students are empowered to take what they're taught in school and to apply it to real-life situations, better preparing themselves for college and their careers.

For more information about FRC Team 980 ThunderBots, including how to join, visit their website at team980.com.

Contact information: Robin Dorfman • rldorfman@team980.com • 818.389.1753 • Mentor for Business and Outreach, FRC Team 980 ThunderBots



Sunland Tujunga residents on the team are Robin Dorfman - Mentor (back row, far left), Andrew Farrow - Fabrication Lead (back row, middle), and David Toyne - Mentor, 2016 Woodie Flowers Finalist (absent).

Local paper for Sunland/Tujunga, Shadow Hills,
Lake View Terrace in Northern LA County
Population over 165,000

ThunderScout



Tablet-based. custom scouting software designed by team member Luke Myers. Available now on Google Play, and soon on Amazon App Store.

Award Winning Robotics

