

**2016 CHAIRMAN'S
AWARD**

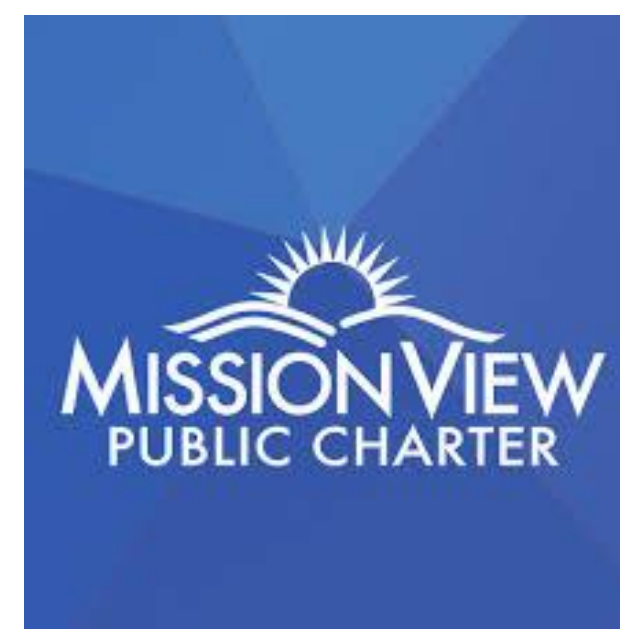
PRESENTATION

FRC TEAM 980 STUDENT AND MENTORS MAP



- 21 students
- 12 different schools
- Our footprint covers an area of over 2 million people.

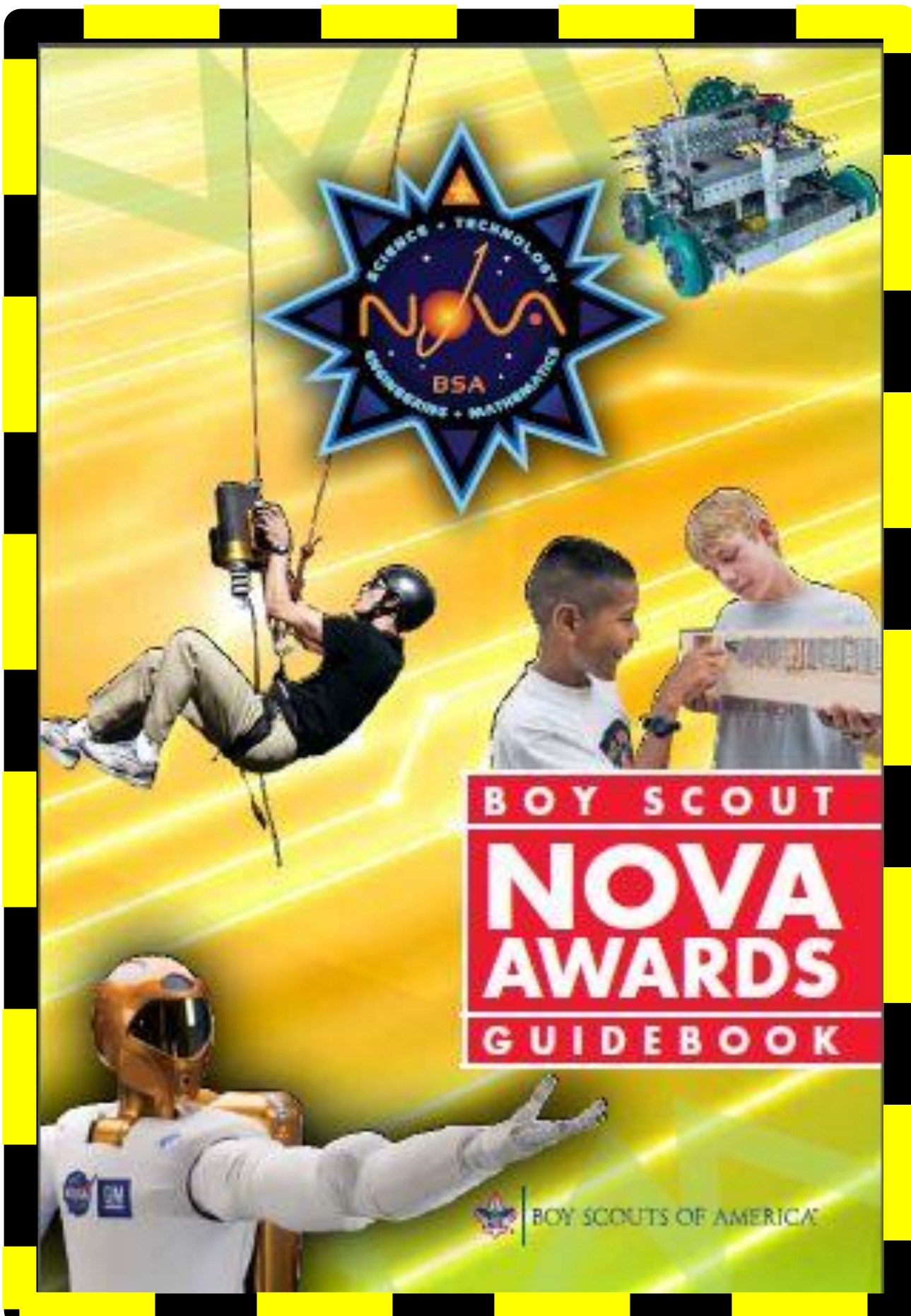
Team 980 Members' Schools



Boy Scout Expo



STEM/Nova



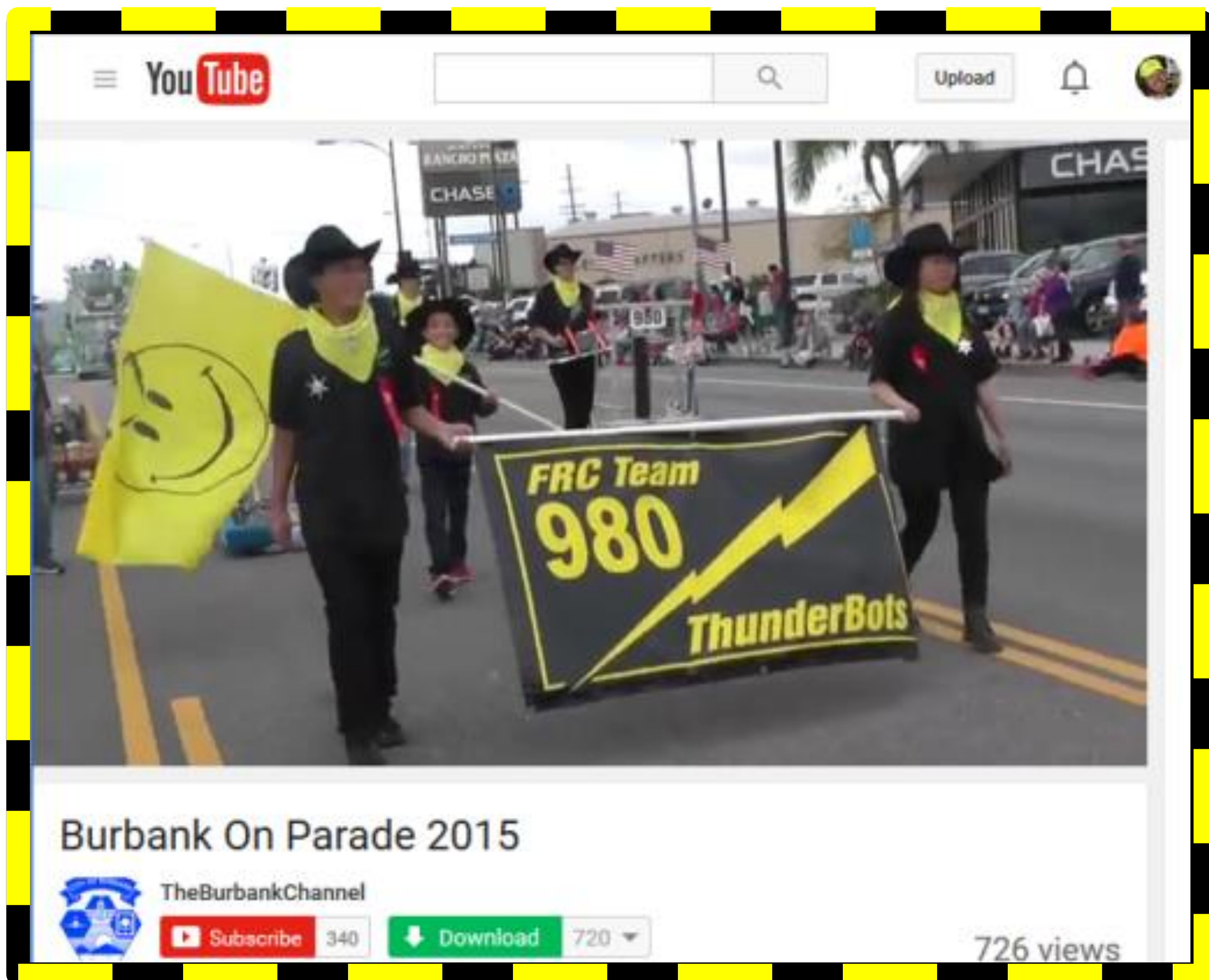
Team 980 works alongside Boy Scouts to help them achieve their STEM/Nova Awards.

Spark of Love Toy Drive



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

Burbank on Parade



Approximately 10,000 views at the parade route, and on The Burbank Channel and YouTube.

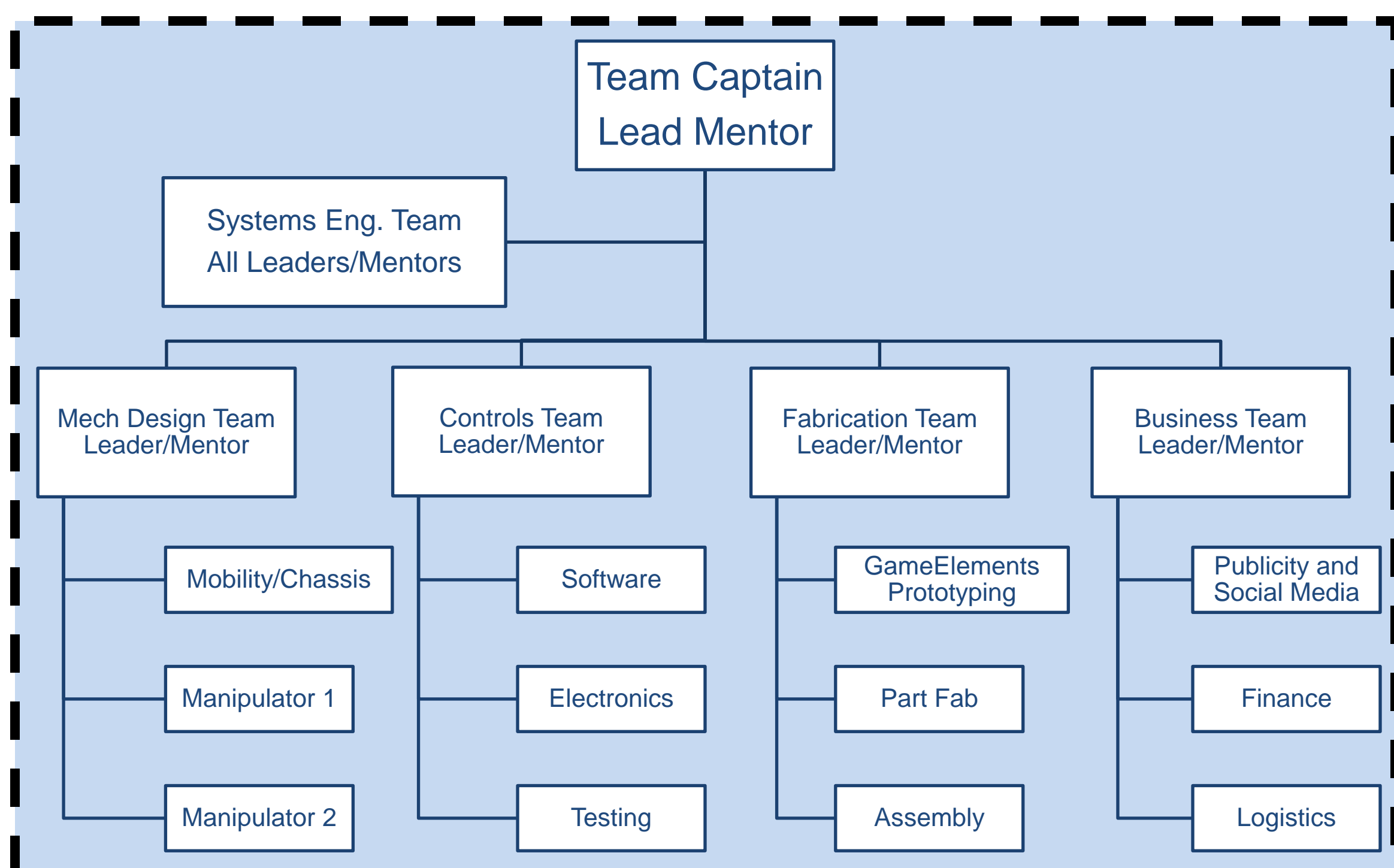
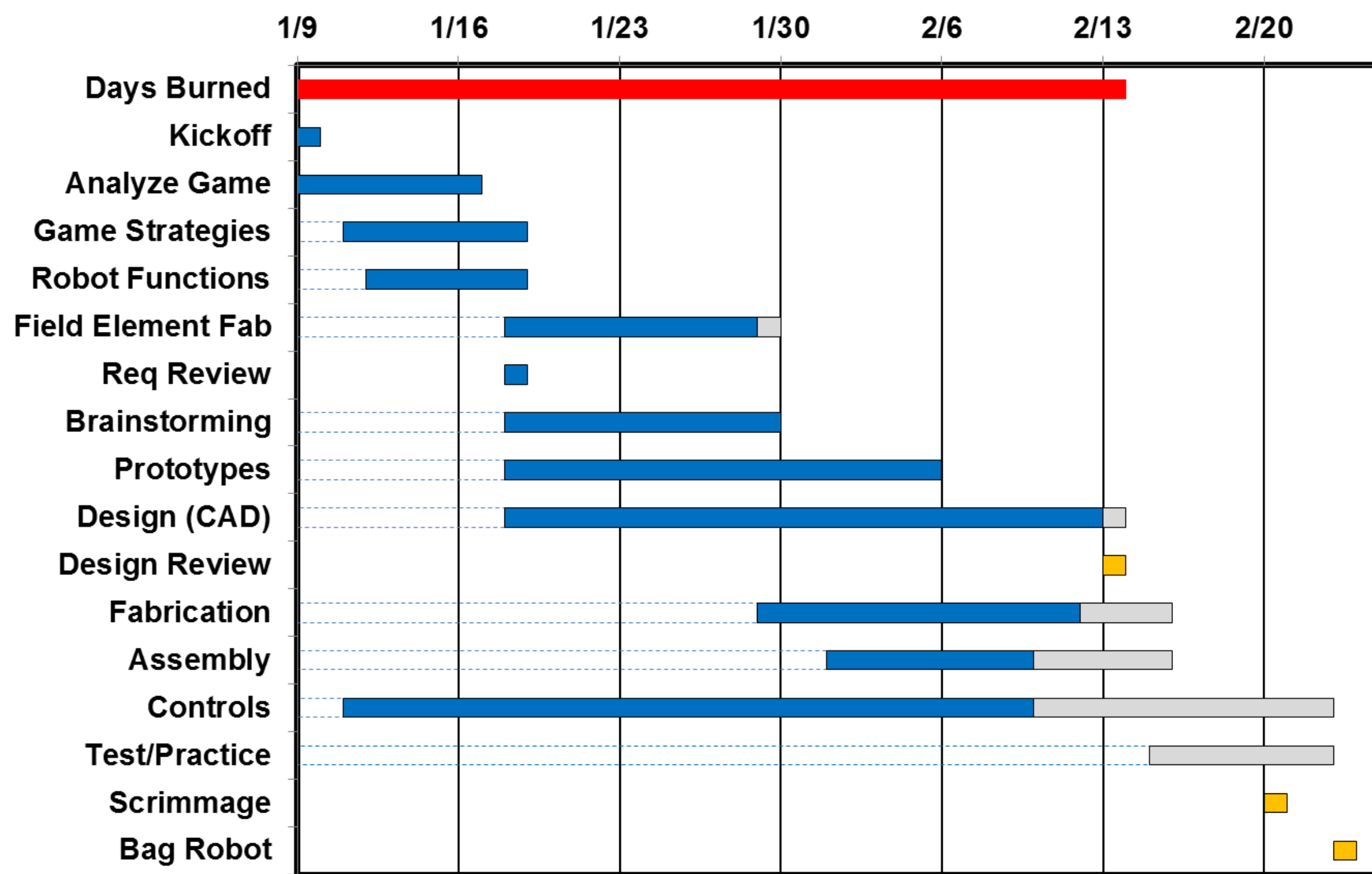
Team Development

We hosted developmental activities, workshops, and classes:

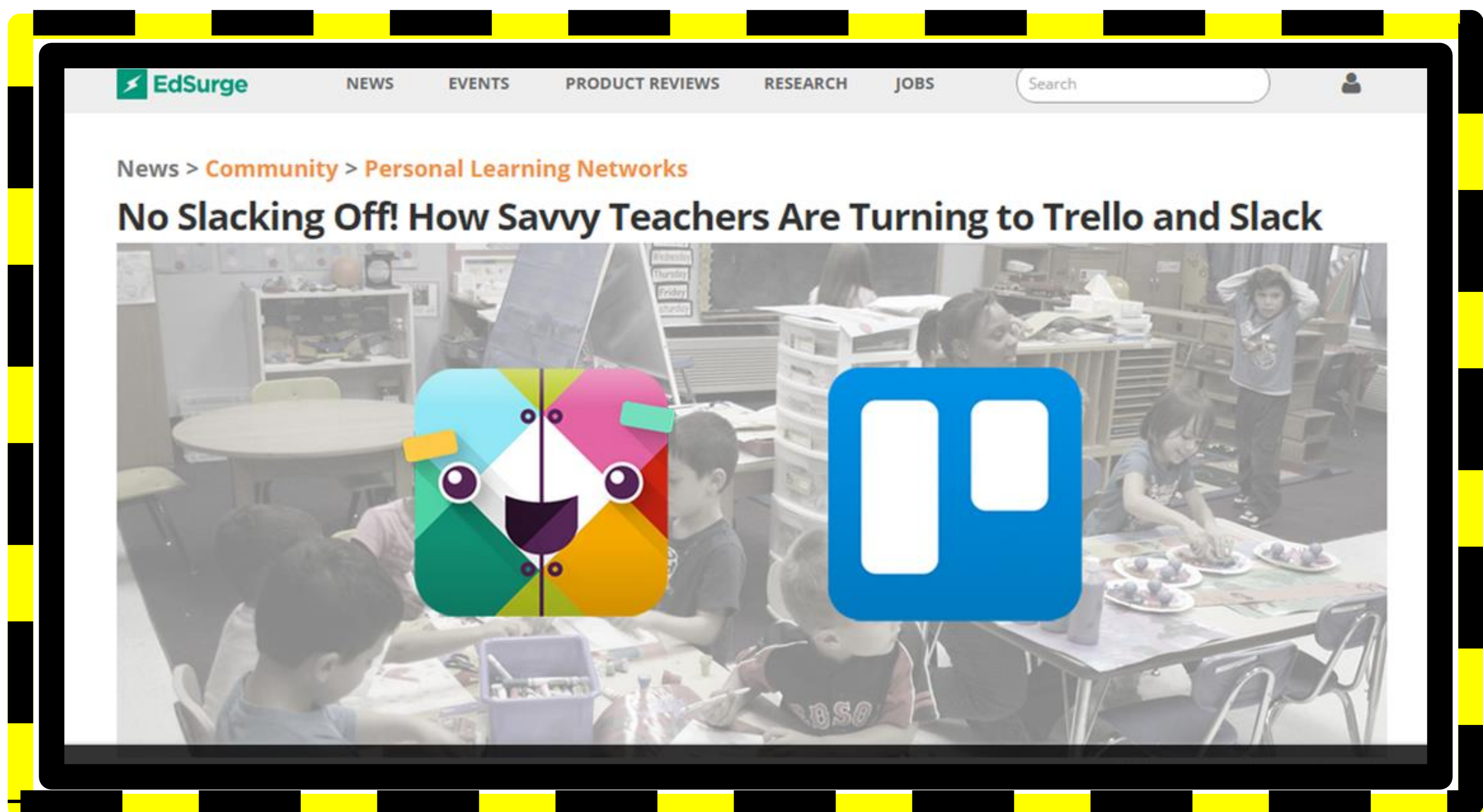
- **“Technology and Entrepreneurship”**
Codi Simms, Director, Disney Accelerator
- **“Leadership and Teamwork”**
Chris Hagen, Exec. Coach
- **C++ Classes**
Mark Littlefield, Team 980 Mentor
- **SolidWorks Classes**
David Toyne, Team 980 Mentor
- **Tour at JPL Open House**
David Brinza, Team 980 Lead Mentor
- **Tour at Walt Disney Imagineering**
Ali Tarazkar, Team 980 Mentor
- **“Opportunities After School”**
Galina Malakhova, Team 980 alumni

Engineering Development Environment

FRC Team 980: 2016 Build Schedule



Updating our Communication Techniques



-We migrated our communication to Slack, an innovative tool used by professionals in large companies like NASA/JPL

-We adopted Trello as our on-line work space to collaborate on projects, tasks and checklists.

Balanced Scorecard (BSC)

PERSPECTIVE	OBJECTIVES	INDICATORS	GOALS		
			Dec-15	Dec-16	Dec-17
Mission	Improvement of students leadership	% of students evaluated with 5 out of 5 in annual mentor evaluation (leadership segment)	15%	25%	25%
	Educate HS students in STEM	Number of training hours in STEM x number of attendees	234 hours received	360 hours received	480 hours received
Customer	Growing number of members	Number of students in the year	16	20	25
	Maintain mentors engagement	Count with mentors in design, fabrication, control and business	yes	yes	yes
	Be well organized	% of action plans executed during the year	70%	80%	90%
	Be an effective team	Make it into eliminations in at least one regional tournament	yes	yes	yes
		Be awarded at least one individual or team award	yes	yes	yes
	Be active in Inter-team cooperation	Number of teams that we support or partner to execute an activity	4	5	6
	Promote FIRST mission	Number of people who received information about FIRST	3000 people	3500 people	4000 people
Be active in community service	Number of community event attended as a team	5 activities	7 activities	8 activities	
Processes	Recruiting and induction	Number of students recruited in year	5	10	15
		Number of recruiting events	3	5	5
		Percentage of student retention	85%	95%	95%
	Marketing process	Number of press mention of team 980	3	5	5
	Effective design	Robot design meets select game criteria	90%	100%	100%
		Number of students using CAD to contribute to the robot design	2	4	4
	Solid fabricacion	Competition robot complete	1 week 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
	Effective controls	Student contribution to the source code	50%	80%	90%
		Student contribution to the control design	50%	80%	90%
Controls features meet robot design objectives		85%	95%	100%	
Personal Growth	Personal development	Percentage of students achieving their personal goals through self assesment	Establish personal development process	60% of students achieving 80% of their goals	70% of students achieving 90% of their goals
	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%
	Leadershp and team work	Number of hours for leadership and team work training	4	6	8
Financial	Increase partnership with actual sponsors	Updates sent within the year	2	3	3
	Get new sponsors	Number of potential new sponsor meetings	5	10	12
		Number of new sponsors secured	2	3	4
	Increase Student Fundraising	A mount of money raised by students	\$4000	\$5000	\$9800

Team 980 3-year strategic plan.

Key Items From the BSC that align with FIRST Mission

Student Growth

OBJECTIVES	INDICATORS	GOALS		
		Dec-15	Dec-16	Dec-17
Growing number of members	Number of students in the year	16	20	25

Our goal by December 2015 was to have 16 students: we had 21 students.

Promoting FIRST

OBJECTIVES	INDICATORS	GOALS		
		Dec-15	Dec-16	Dec-17
Promote FIRST mission	Number of people who received information about FIRST	3000 people	3500 people	4000 people

By December 2015, we had reached 200,000 people through press and community outreach.

Obtaining New Sponsorship

OBJECTIVES	INDICATORS	GOALS		
		Dec-15	Dec-16	Dec-17
Get new sponsors	Number of potential new sponsor meetings	5	10	12
	Number of new sponsors secured	2	3	4

3 new sponsors for the 2016 season: Boeing, C-Free Renew, and Lingua Machine Solutions.

Team 980's Community Open House



 FRC Team 980 ThunderBots
Community Open House!!!



www.team980.com

August 14, 4 - 7 pm.
August 15, 11 - 2 pm.
1209 Grand Central, Glendale.

We hosted a community open house and demonstrated FIRST to the public.

Team 980 in the Press



Feature article in Burbank Leader and Glendale News-Press, circulation and online presence: 176,000.

FIRST and STEM Education



Editorial in LA Times local editions promoting FIRST as **invaluable** part of STEM education.

Award Winning Robotics

