

A group of seven students, mostly wearing green shirts and lanyards, are posing for a photo on a blue carpeted stage. One student on the left is holding a large American flag. In the center, a student holds a large, multi-tiered trophy. The background shows a large indoor arena with other people and structures.

SoCal *FIRST* Tech Challenge Kickoff and Welcome! 2023

**Theresa Klemme, Patrick Brophy
SoCal FTC Program Delivery Partners**

CHALLENGE

PRESENTED BY



RTX

Welcome to SoCal FTC!

*In-person, Traditional Game Play
14 Leagues with 4 Meets each
7 Inter-League Tournaments (1 per team)
and a SoCal Championship Event*

We span 9 Counties! 300 miles from San Luis Obispo to San Juan Capistrano, and 100 miles from Santa Monica to Palm Springs and Lancaster! 75+ schools, 25+ community groups!

- 2022-23: 169 teams, of which 44 were Rookies (26%!)
 - *2023-24: 120 teams started to register (40 Rookies), expect 200 teams!*



GRANT OPPORTUNITIES (check socalftc.org)

REV Robotics is awarding **\$100,000 in total Grants** for *FIRST* Tech Challenge and *FIRST* Robotics Competition teams! Applications are open through **Tuesday, September 12, 2023**,

Panasonic Foundation is again awarding **\$300 grants to 30 SoCal FTC Teams**. Applications are open through **Friday, October 27, 2023**. Questions should be directed to info@SoCalFTC.com

DBHS FRC is awarding **40 free 3D Printers to SoCal FTC Teams**. Applications are open through **Friday, October 27, 2023**. Questions should be directed to info@SoCalFTC.com

United Airlines funding STEM focused *DonorsChoose* campaigns with a **2X match on new donations** for projects submitted for groups within Los Angeles. Questions should be directed to DonorsChoose directly.

RAFFLE TIME!

The REV Robotics logo is centered on a white rectangular background. This background is framed by thick orange bars: a top bar, a bottom bar, and two vertical bars on the left and right sides. The word 'REV' is in large, bold, black, italicized letters. Below it, the word 'ROBOTICS' is in smaller, red, spaced-out, all-caps letters.

REV
ROBOTICS

Agenda

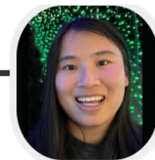
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|----------|---|
| 8:30 AM | Intro Welcome, Season Overview
<i>Theresa Klemme and Patrick Brophy,</i>
FIRST Program Delivery Partners for SoCal FTC |
| 9:00 AM | Game Reveal Video |
| 9:30 AM | Field Open (until 12pm for teams to look and see) |
| 9:30 AM | Workshop Session #1 |
| 10:15 AM | Break Out/Transition |
| 10:30 AM | Breakout Session #2 |
| 11:45 AM | Kickoff Over |

Our Committee (Thank you!!)

- Theresa Klemme – FIRST Program Delivery Partner, Event Mgr
- Patrick Brophy – FIRST Program Delivery Partner, Event Mgr
- Amanda Sullivan – Kickoff Coordinator, Event Coordinator
- Abigail Rehard – Team Registration, Website Management, Admin
- Brian Bugert Sr – Head Scorekeeper, Event Host
- Bob Meinhard – Regional Head Judge Advisor
- Corey Porter – Regional Head Judge Advisor
- Eddie Shek - Deans Award, Social Media
- Ellen McIsaac – Committee Member
- Ian Johnson - Head Referee
- Kenneth Wah – Event Host
- Nathan MacPherson – Head Referee
- Rachel Johnson - Regional Head Judge Advisor
- Stacey MacPherson – Committee Member, Event Host
- Tom Dobson – Committee member, Event Host
- Sung Choi - Committee Member



Theresa Klemme Patrick Brophy



Amanda Sullivan

Abigail Rehard

Brian Bugert

Bob Meinhard



Eddie Shek

Ellen McIsaac

Ian Johnson

Kenneth Wah



Nathan MacPherson

Rachel Johnson

Stacey MacPherson Tom Dobson

Breakout Sessions

- Winning the Dean's List Award- Perry Han (WHS 542) - **Streamed for Session 1**
- **How to Teach Your Robot to See for Itself - Chris J.**
- FTC Awards and How to Win Them - SoCal FTC Judge Advisors **Streamed for Session 1 ONLY- Auditorium**
- Worlds Winning Alliance Captain Confidential - Gatorbytes 18457 - **Streamed for Session 2**
- **Curiosity's Guide to Acing the Engineering Portfolio - Curiosity 11770**
- Designing a Robot with CAD: Collaboration in Onshape - Marlbots 3526
- **Ask a Ref: CENTERSTAGE Rules Explained - Ian Johnson/Nathan MacPherson Session 2 ONLY - Auditorium**
- How to Guide Your Team Through the 2024-2025 Tournament Structure (Mentors & Coaches Session) Patrick Brophy - **Session 2 ONLY**
- Intro to Blocks Programming - techATTACK 22471
- Free Online Resources to Make Your Team Better - Patrick Brophy - **Session 1 ONLY**

Zoom Meeting ID: 840 1389 1495

Passcode: 481121

Virtual sessions are recorded and can be watched at your leisure.

Workshops - MAP



The 900s building will have workshops on the upper level.

We will have 1 workshop during each session in the auditorium. No capacity limit.

How to Teach Your Robot to See for Itself workshop will be in room 210 in the 200s building.

The field will be located right outside the auditorium in front of the 100s building.

Reminder - 1 team member per session in the classrooms to make space for others. There is a second session on the same topic in case you can't fit in.

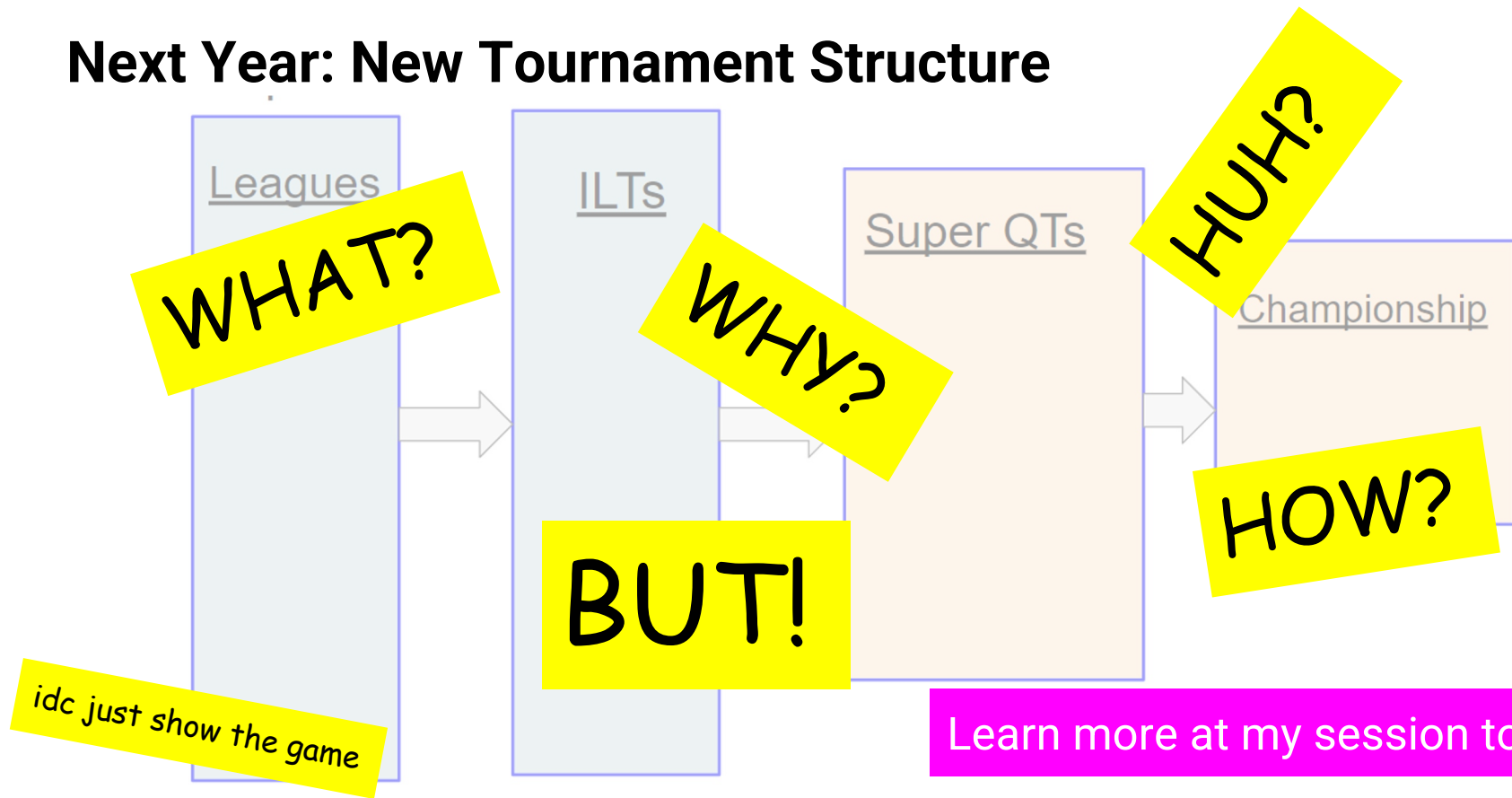
Season Structure (same as last year)

*RED FONT –CHANGE
from last year!!*

- **14** Leagues across SoCal area, appx 16 teams per League
- League Play:
 - 4 Meets, 5 matches per meet, half days Saturdays or Sundays from October 14 to January 30
 - Team must be fully paid (both FIRST and SoCal FTC) to play
- Inter-League Tournament (ILT) Play:
 - **7** ILTs, full day Saturdays or Sundays, late January to February
 - 1 ILT per team, 24-30 teams in an ILT, assignments are set
 - Top 10 League scores follow you to ILT
 - Judging, advancement to Championships
- Championship:
 - March 9 Saturday, Monrovia High School
- FIRST Worlds – Houston: April 17-20



Next Year: New Tournament Structure



Team Assignments

- Leagues:
 - Teams are assigned to your previous League. If new, you will be assigned to a nearby League
 - Read and know the rules, follow the FTC Forums – there WILL BE referees at League Play
- Interleague Tournaments:
 - Jan 27 - Diamond Bar HS (Leagues G, O1)
 - Jan 28 - Diamond Bar HS (Leagues A2, W)
 - Feb 3 - Liberty HS - near Perris (Leagues F1, A1)
 - Feb 4 - Liberty HS - near Perris (Leagues F2, E)
 - Feb 17 - Monrovia HS (Leagues C2, D)
 - Feb 18 - Monrovia HS (Leagues C1, V)
 - Feb 24 - Fountain Valley HS (Leagues O2, B)



Your Commitment as a Team:

At League Meets: 1 volunteer per Team for each Meet to work the event ⁽¹⁾

At Inter-League Play: 2 volunteers per team ⁽²⁾

At Championship: 2 volunteers per team ⁽²⁾

*Show up and play at each League Meet,
even if you are not 100% ready – you Will Learn!!*

And it helps others learn!

Provide a volunteer and take the HQ training.



(1) Roles needed : 1 volunteer coordinator, 1 team and volunteer check-in, 4 referees, 1 head referee, 1 field manager, 1 FTA, 1-2 querers, 1 scorekeeper, 2 robot inspectors, 2 field inspectors, 1 field reset, set up and clean up.

(2) In addition to (1), need pit manager, game announcers, judges, and volunteer food planners

Know your League and your League Host

Link: <https://socalftc.org/leagues/>

A1 – Los Angeles (Andrew W)

A2 – Los Angeles (Luka R)

B – Compton / Inglewood (David P)

C1 – La Canada (Brian M)

C2 – Monrovia (Tom D, Brian B)
C)

D – Sherman Oaks (Sabitha

E – Webb (Andrew H)
morning (Josh and Stacey)

F1 – Perris

F2 – Perris afternoon (Josh and Stacey)

G - Carson (Ted Harder)

O1 – Orange County (Shane V)
Pham)

O2 - Fountain Valley (Ryan

V – Ventura (Collin H)
(Collin H)

W – Westside

If you want to change Leagues - email info@socalftc.org

Our Season

September 9^h

SoCal FTC Kickoff and registration opens

Oct 28 - Jan 29
call your Host)

League Play (check website for League dates or

October 15th

Registration due

Jan 27-Feb 25

7 - InterLeague Tournaments (ILTs)

All day either Saturday or Sundays

May add or delete ILTs depending on registration

March 9 (Sat)

SoCal Championships

April 17-20, 2023

- 42 Teams
- Worlds – Houston
- TBD Teams



Lock in your spot, stay informed!

FIRST registration fee is **\$295** – must register to be a recognized team

- Supply Chain challenges for Control Hubs - based on paid registration date, fulfilling rookies first will be caught up by October

SoCal FTC registration fee is **\$300** – covers 4 League Meets and 1 InterLeague Tournament

- due no later than November 5th

SoCal FTC Championship fee is \$250

- due no later than March 3rd

Team name or mentor changes – change with *FIRST* and then let us know by emailing us at info@socalftc.org

Not sure if you will participate? Register with FIRST anyway and pay when you decide - you'll be in the system!

Progression

1. Inspire Winner
2. Winning Alliance Captain
3. Inspire Award, 2nd place
4. Winning Alliance, 1st Team selected
5. Inspire Award, 3rd place
6. Winning Alliance, 2nd Team selected
7. Think Award Winner
8. Finalist Alliance Captain
9. Connect Award Winner
10. Finalist Alliance, 1st Team selected
11. Innovate Award sponsored by Raytheon Technologies Winner
12. Finalist Alliance, 2nd Team selected
13. Control Award sponsored by Arm, Inc.
14. Motivate Award
15. Design Award

Events leading to Worlds

7 Inter-league Tournaments, 24-30 teams per
ILT
6 teams / ILT proceed to SoCal Champs

42 teams at Champs on March 9
TBD teams proceed to Worlds

Worlds - 224 teams (Houston, TX)

** Dependent on number of teams registering. If we drop an ILT,
advancements per ILT will increase*

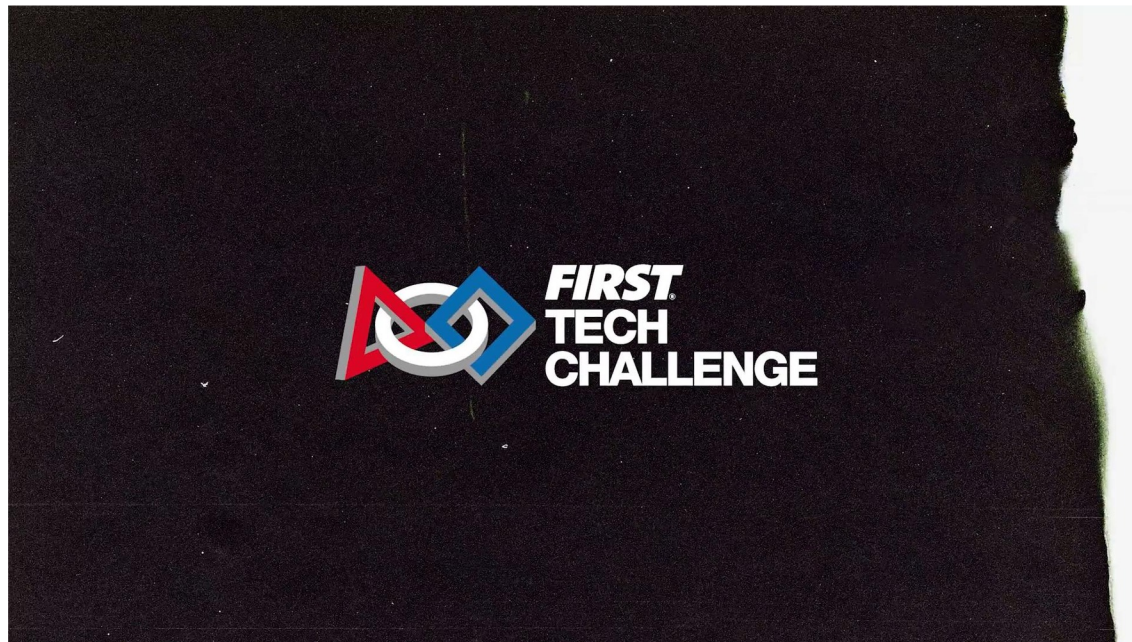
Key Emails and Info Spots

- For Information (Leagues, ILTs, Champs, registration, calendar dates, etc.):
 - SoCal FTC Website (<https://socalftc.org>)
 - Robot Tuesday e-newsletter (sign up at <https://socalftc.org>)
 - Discord (sign up at <https://discord.gg/rmq5A6c>)
 - Email (info@socalftc.org)
- Socials:
 - Facebook (www.facebook.com/Los.Angeles.FIRST.Tech.Challenge)
 - Instagram (<https://www.instagram.com/firsttechsocal/>)
 - Twitter (https://twitter.com/socal_ftc)

Key Info from FIRST HQ

- FTC rookie grant applications are down from last year – APPLY, APPLY, APPLY
<https://www.firstinspires.org/robotics/ftc/grants>
- Fundraising suggestions are on Website <https://www.firstinspires.org/resource-library/fundraising-toolkit>
- Official Game Q+A
- *FTC* Twitter Feed <https://twitter.com/FTCTeams>
- *FTC* Facebook page <https://www.facebook.com/FTCTeams>
- *FTC* YouTube Channel <https://www.youtube.com/user/FIRSTTechChallenge>
- *FTC* Blog <http://firsttechchallenge.blogspot.com/>
- *FTC* Team Email Blasts <https://www.firstinspires.org/node/4311>

FIRST Consent & Release – Youth Registration is required. We prefer all students register online – eliminates collecting paperwork at each event.



Please go back on your own to watch the great videos in Kickoff from:
*Chris Moore, CEO FIRST; 2022 Deans Winners on Gracious Professionalism;
Qualcomm and Raytheon applying environmental sustainability in aerospace in real life*