

Western Edge Open 2023

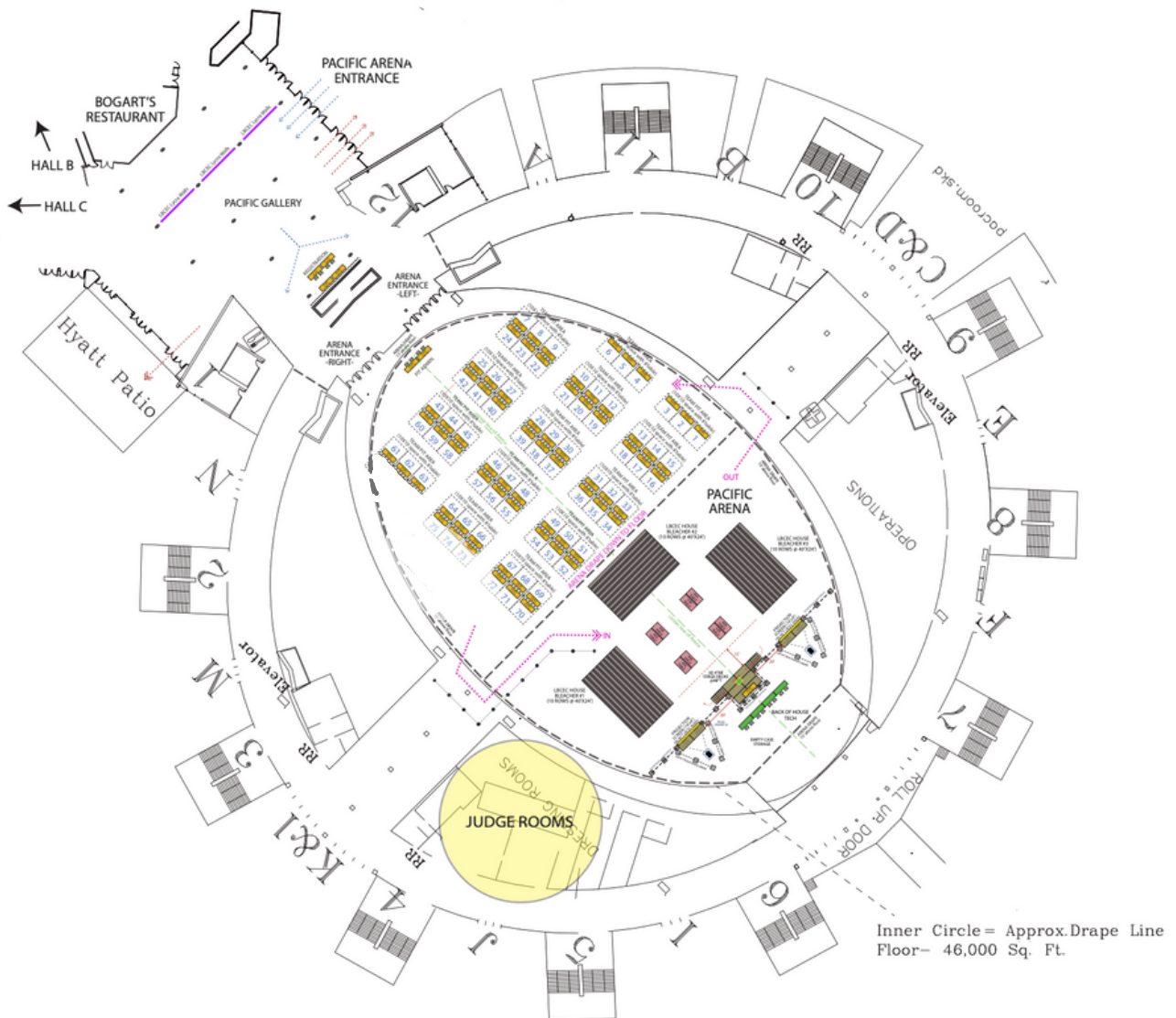
Long Beach Convention Center



California Southern

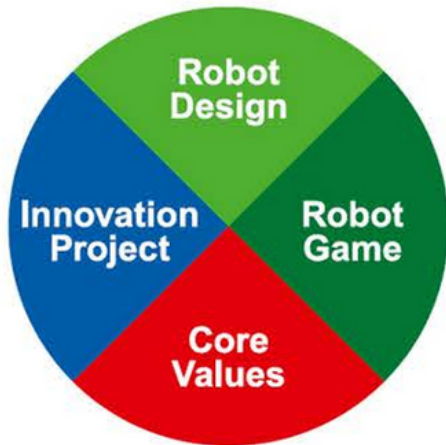


Western Edge Venue Map





Judging

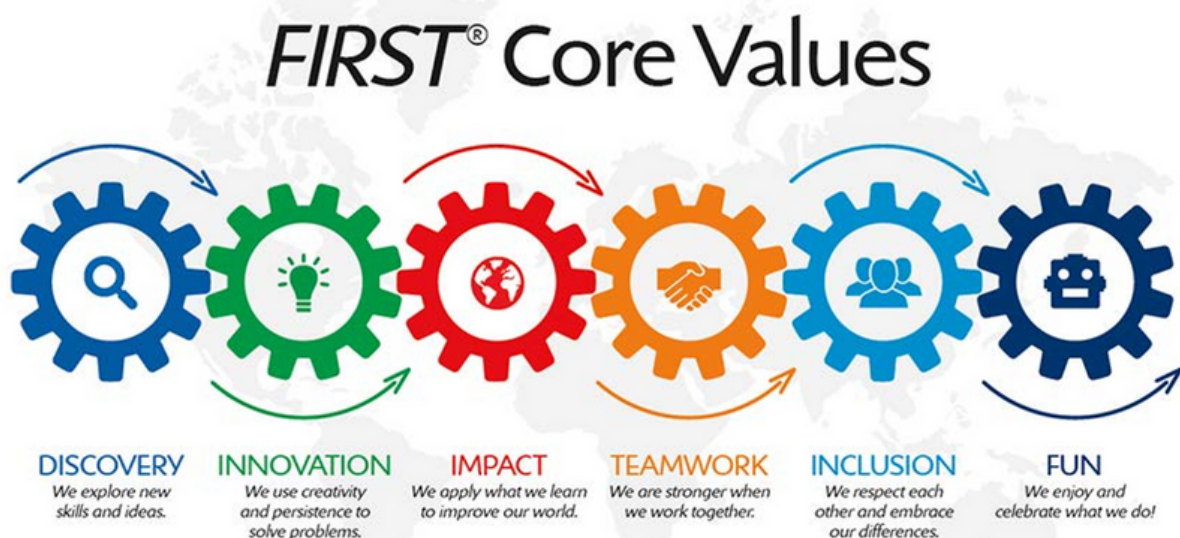


Welcome to the Western Edge Open. Teams will work together on many different tasks in preparation for an incredible tournament experience.

Each of these four equally weighted parts of *FIRST* LEGO League Challenge accounts for 25% of a team's total performance.

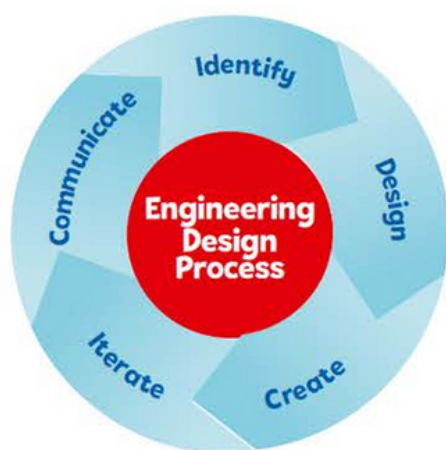
CORE VALUES

Core Values should be demonstrated throughout the event, teams should demonstrate the FIRST Core Values in everything they do, and will be evaluated during the Robot Game and Judging Session.





ROBOT DESIGN



During the season, teams:

- **Identify** a mission strategy
- **Design** a robot and programs and create an effective plan.
- **Create** a robot and coding solution.
- **Iterate**, test and improve their robot and program.
- **Communicate** their robot design process and everyone's contributions.

During the judging session teams present a short presentation on the robot design, programs and strategy.

INNOVATION PROJECT

As part of the SUPERPOWERED season, *FIRST* LEGO League Challenge teams will explore where energy comes from and how it is distributed, stored, and used – and then put their superpowered creativity to work to innovate for a better energy future.

Students will collaborate on their ideas and must consider efficient design for their user, possible barriers to implementation, document the evaluation of their invention, and validate their design with professionals working in STEM



JUDGING FLOWCHART



Teams Welcome
Judges / teams introductions

2 minutes



Innovation Project
Presentation

5 minutes



Innovation Project
Question & Answer

5 minutes



Robot Design
Presentation

5 minutes



Robot Design
Question & Answer

5 minutes



Core Values
Question & Answer

5 minutes



Coach / Mentor
Question & Answer

3 minutes



ROBOT GAME

This season's game is about collecting energy units from different sources around the field and distributing them to where the energy will be stored or consumed. Points are scored for releasing energy units from the models and delivering energy units to target destinations.

- 1) During the robot game teams have three 2.5-minute matches to complete as many missions as possible.
- 2) The team launches their robot from one of the two launch areas, and it moves around the field attempting to complete the missions in the order chosen by the team.
- 3) The robot is programmed to return to either home area at any time. The team can modify it while it is in a home area before launching again to try other missions.
- 4) The team starts the match with six precision tokens worth points. If needed, the robot can be brought back to home by hand, but the team will lose a token for the interruption.
- 5) During a match, only the robot can move objects from one home area to another. When a robot is interrupted, it can be returned to either area.
- 6) Mission requirements must be visible at the end of the match to score unless otherwise stated in the mission.
- 7) The team will have three matches, but only their highest score will count.
- 8) The team expresses Core Values through Gracious Professionalism.

Referees will assess the team's Gracious Professionalism at every match.





CONGRATULATIONS TEAMS

PIT NUMBER	TEAM NAME	REGION	PIT NUMBER	TEAM NAME	REGION
1	Yukon All-Sparks	British Columbia	38	Ace of spades	Missouri-East
2	CheetoNet LaunchOff	Florida - West Coast	39	Royal Reboots	Florida-South
3	Astro-Techs	California - Northern	40	A'turli	Kazakhstan
4	Anonymoose	Wisconsin	41	EnergiserZ	Ontario
5	#Nurmakov	Kazakhstan	42	Holy LEGOS Batman	Indiana
6	Hanahan Sand Hawks	South Carolina	43	V.E.C.T.O.R.	California - Southern
7	Artemis	Maryland	44	The Awesome TechKnowLogics	Ohio
8	Ctrl-Z Bayview Glen	Ontario	45	Heldele - EAGirls	Germany
9	da Catbots	California - Northern	46	JARVIS INDIRASE	Mexico
10	Legoborci z Oravy	Slovakia	47	Mounthawk Masterminds	Ireland
11	Super Smash BroBots	California	48	Barnstormers	Arkansas
12	2Xstream Robotics	Illinois	49	Robo Heroes	North Dakota
13	High Tech Hornets	Minnesota	50	Lightning Bolts	Wisconsin
14	MakEMinds	New Jersey-North	51	Pixel Penguins	NYC
15	mindfactory	Germany	52	Unknown Zaha	Jordan
16	Trinity Christian Those Guys	Kentucky	53	Beep Patrol	Arizona
17	iRobot	Greece - Athens	54	The Green Brick Road	New York -Hudson Valley
18	SPORKlings	South Carolina	55	Banana Boomers	Colorado
19	Shooting Stars	Minnesota	56	The Mighty Minions	Arizona
20	6.0 GPA (Girl Powered Automations)	California-Central	57	Orofino Green Power Team	Idaho
21	ACM Robotics	Puerto Rico	58	Fast Fooders	Hawaii
22	Positive Protons	Ohio	59	Coding Masterminds	Virgina / DC
23	Pixelados	Chile	60	LEGO BROS MG	Brazil
24	Mayhem	Texas-West	61	The Tenergizers	Missouri-East
25	Narwhals Love Waffles	Florida Central	62	Bowler Bots	Nevada
26	Wildbots	South Dakota	63	Robotics School	Brazil
27	Tinkerbits	California - Southern	64	Red and Green Robot	Haiti
28	Smilebots	Switzerland	65	Bovina Brainiacs	Mississippi
29	The Power Rangers	Washington	66	Ennovators	California
30	LINCEBOTS JGM	Mexico	67	Microbots	Colorado
31	Garage Engineers	California - Southern	68	Coding Canines	Georgia
32	Grace Generators	Australian	69	鯉鵬队 (Kunpeng Team)	China
33	Herobots - Gold	Arkansas	70	1 Cup Flour	California
34	ROBOSAPIENS	Spain	71	Menlo Park Narleaotters	California
35	VENOMBOT	New Mexico	72	Powell Middle School	Wyoming
36	Pickled Blueberry Licorice	California - Southern	73	Over Engineering	Hungary
37	Cyberknights	California - Southern	74	Awesome Blossoms	Washington
			75	Mechanical Meatloaf (side a side of pickles)	California





EVENT SPONSORS



Founded in 1962, PECG represents 14,000 state-employed engineers and related professionals responsible for designing and inspecting California's infrastructure, improving air and water quality, and developing clean energy and green technology.



Roots can be traced back to 2005, when Vivid-Hosting started in the gaming industry as high performance game server and network provider for other game server providers. As they continued to grow, they placed a high emphasis on developing secure, high throughput and extremely low latency networks. This made it easy for them to transition into developing security solutions needed online today.



Sporfie is a simple, easy-to-use live stream platform that allows teams, athletes and coaches to stream practices and meets anytime, anywhere using nothing more than a mobile device. It also doubles as a fundraising tool! Sporfie live streaming and highlights is free for families, friends and fans to watch or replay on demand.



The Long Beach Convention & Visitors Bureau is the official organization for convention and tourism marketing for the city of Long Beach. Established in 1982, the LBCVB is a private non-profit organization funded by city hotel bed tax and membership contributions from over 400 area businesses and community organizations.



EVENT SUPPORT



REGIONAL SPONSORS

Qualcomm

Panasonic





FRIDAY SCHEDULE

Friday, May 12		
8:00 AM	Registration Booth Opens	Foyer Pacific Ballroom
9:00 AM	Pit Areas Open	Pacific Ballroom Pit Area
10:30 AM	Opening Ceremonies	Pacific Ballroom
11:00 AM	Practice Tables Open	Pacific Ballroom Foyer
11:30 AM	Robot Performance Practice Round - 8 Tables	Pacific Ballroom Arena
2:40 PM	Robot Performance Round #1	Pacific Ballroom Arena
4:00 - 6:00 PM	Team Social	Pacific Ballroom Arena
6:00 PM	Arena Close for the Night	

SATURDAY SCHEDULE

8:00 AM	Pit Areas Open	Pacific Ballroom Pit Area
9:00 AM	Judging Begins 10 Lanes	Pacific Ballroom Side Rooms
10:10 AM	Robot Performance Round #2	Pacific Ballroom Arena
2:30 PM	Judging Ends	
12:25 PM	Robot Performance Round #3 Begins	Pacific Ballroom Arena
2:30 PM	On The Spot Instructions are given	Pacific Ballroom Arena
3:00 PM	On The Spot Practice Fields Open	Hyatt & Westin
11:00 PM	On The Spot Practice Fields Close	



SUNDAY SCHEDULE

Sunday, May 14	<input type="checkbox"/>		
8:00 AM	Pit Areas Open	Pacific Ballroom Pit Area	
9:00 AM	On The Spot Round 1 Begins	Pacific Ballroom Arena	
10:20 AM	On The Spot Round 2 Begins	Pacific Ballroom Arena	
1:00 PM	Closing and Awards Ceremony	Pacific Ballroom Arena	
2:00 PM	Event Concludes		

FIRST SUPPORTING US

THANK YOU ALL FOR YOUR HELP MAKING ITEMS FOR OUR EVENT



FRC Team 1538 / The Holy Cows



FRC Team 1572 Hammer Heads



FRC Team 1836 / Milkenknights

Placerita FLL team