

Los Angeles Region *FIRST* LEGO League Championship Tournament

2010 Challenge: Body Forward--Engineering Meets Medicine

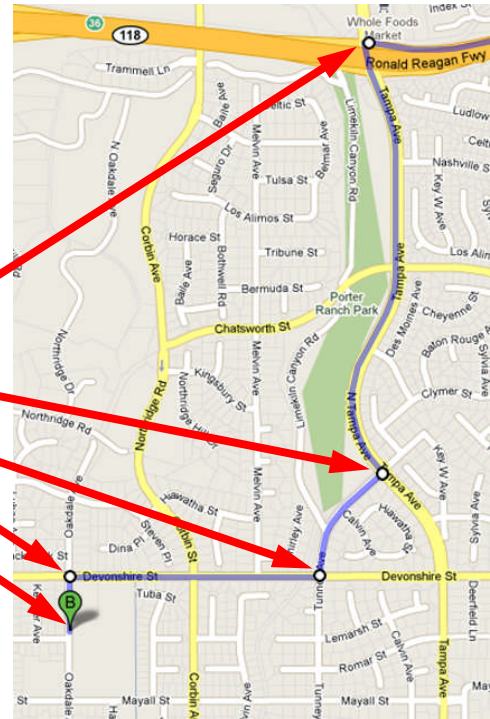
Saturday, December 18, 2010, 8:00 AM-5:40 PM

Location

Chaminade College Preparatory Middle School
10210 Oakdale Ave
Chatsworth CA 91311

Directions and Map

Exit 118 (Ronald Reagan) Freeway at Tampa Ave.
South 0.9 miles to Tunney Ave.
Right (Southwest) 0.3 miles to Devonshire St.
Right (West) 0.5 miles to Oakdale Ave.
Left (South) 0.1 mile to the school on your left.

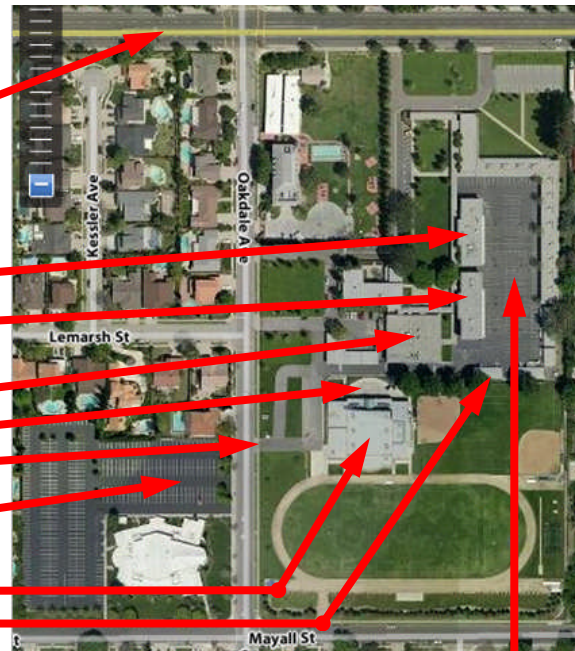


Parking and Facilities

Parking will be available on the campus, on the street and at the church across the street. The Team check-in, pit areas, scorekeepers, practice tables, and food for teams will be in the Student Center. The opening and closing ceremonies, robot performance, robot design judging and more practice tables will be in the Gym. Judging will be in rooms 201-204 and 301-304. Volunteer check-in and lounge in room 118.

Campus Map

Devonshire Street
Rooms 201-204 (Judging)
Rooms 301-304 (Judging)
Student Center (Team check in, pit areas, scorekeepers, practice tables, food)
Robotics exhibits
Entrance to event parking
Extra parking at Church across Oakdale Ave.
Gymnasium (Ceremonies, Robot Performance, Robot Design Judging, more practice tables)
Rooms 118 (Volunteer Check-in, Lounge)
Primary event parking



Setup

Most of the setup will be done on Friday, 5:00-8:00 PM. Additional volunteers are welcome.

Who Can Attend

All FLL events are open to the general public and to the media. Most of this event is being held in a gymnasium. Audience seating will be on wooden bleachers. Guests planning to stay for the entire event may want to bring seat cushions. The bleachers may be crowded at times, especially for the awards ceremony.

Check In

Referees, Judges and other Volunteers should check in between 8:00 and 8:30 AM at Modular Room 118 at the south end of the event parking area. Teams should arrive and check in between 8:00 AM 9:10 AM at the Student Center. When you check in, you will receive a floor plan and a schedule with the times and locations for judging sessions and robot performance rounds. Teams should have one representative bring the forms listed in the Team Checklist below to the team registration table.

Event Schedule

- 8:00 AM Team Check-In. Referee, Judge and Volunteer Check-In and Continental Breakfast.
- 8:30 AM Referee and Judge Training. Volunteer Assignments.
- 9:15 AM Coaches meeting with Referees in Gym
- 9:30 AM Opening Ceremony
- 10:00 AM Practice Performance Round, Judging & Ambassador Team Interviews
- 12:16 PM Lunch
- 1:00 PM Performance Round One, Judging & Ambassador Team Interviews
- 2:55 PM Performance Round Two & Judge deliberations and team call backs
- 3:53 PM Performance Round Three, Clean up Pit Area & Judge deliberations
- 5:00 PM Awards ceremony
- 5:40 PM Clean up

Each team will have two robot performance matches and two judging sessions alternating approximately every 45 minutes during the Practice Round and Round 1, with a lunch break in the middle, so the pace of these rounds will be slow. The pace of last two performance rounds will be fast, so teams will need to be prepared to move on and off the competition tables very quickly.

Teams

The following 40 teams will be attending this event.

Team ID	Team Name	School or Organization	Team City	Members	Others
419	Pico Canyon Cyber Huskies	Pico Canyon Robotics	Stevenson Ranch	12	20
444	Da Vincibles		Santa Barbara	9	10
918	Rock'em Sock'em Robots	Pleasant Valley Education Foundation	Camarillo	4	4
1269	Lego My Ego	Joe Walker Middle School	Quartz Hill	12	4
1322	Life Savers	Pleasant Valley Education Foundation	Camarillo	9	3
1730	SRTMS Bionic M.D.s	Pleasant Valley Education Foundation	Camarillo	5	12
1873	Bio-Bots	Pleasant Valley Education Foundation	Camarillo	7	12
2020	Dr. BioBots	Pleasant Valley Education Foundation	Camarillo	11	5
2102	Break'n Bricks	La Canada Engineering Club	La Canada	10	5
2103	Golden Circuit Breakers	La Canada Engineering Club	La Canada	10	5
2143	Robody		La Verne	9	9
2489	Roosevelt MESA	Roosevelt Middle School	Glendale	12	0
2531	EPICS	Mesa Union School	Somis	8	6
2580	Bio Faction	Jefferson Middle School	San Gabriel	7	8
2769	LOL COMETS	Girl Scouts of Greater Los Angeles	Arcadia	6	4
2776	Gear Girls	Girl Scouts of Greater Los Angeles	Manhattan Beach	7	8
2778	BodyBuilders	Girl Scouts of Greater Los Angeles	Manhattan Beach	12	10
2779	NXT Generation 2779	Girl Scouts of Greater Los Angeles	Lancaster	10	30
3260	Pain in the Back	Sequoiah School	Pasadena	10	10
4232	JooiDroids	L.H.A.A.F.F., Inc.	Lancaster	7	10
4428	The NXT Generation	Great Minds Learning Center	Tarzana	9	20
4526	Cyber Jags #1	Wilmington Middle School	Wilmington	10	6
4527	Cyber Jags #2	Wilmington Middle School	Wilmington	10	6
4739	Panther Pi	La Canada Engineering Club	La Canada	10	5
4740	BioCougars	La Canada Engineering Club	La Canada	10	5
5803	SCVi Explorers	SCVi Charter School	Castaic	10	15
5924	Robo Titans	AGBU Manoogian-Demirdjian School	Canoga Park	10	10
6191	Tiny Little Robotic Monkeys of Doom	St. Philip the Apostle School	Glendale	11	12
7284	Girl Scout Imagineers	Girl Scouts of California's Central Coast	Ventura	10	5
7724	Engi-Nerds	Foshay Learning Center	Los Angeles	11	6
8323	Magnobots	Magnolia Science Academy	Reseda	8	2
8424	Magnobot 1	Magnolia Science Academy-5	Los Angeles	5	2
8440	Rattlesnake Robotics	Riviera Boy Scout Troop 718	Redondo Beach	11	6
8500	Lawngnomes 2.0	Chaminade College Preparatory	Chatsworth	10	60
8501	Metallic Robos	Adams Middle School	Redondo Beach	10	10
8523	LEGO nardo Da Vincis	SB Homeschool Robotics Academy	Santa Barbara	10	10
8643	RoboHuskies	Rolling Hills Preparatory School	San Pedro	7	10
8815	Sound Waves	Jefferson Middle School	San Gabriel	6	8
9536	Robo-Knights	Woodrow Wilson Middle School	Glendale	12	5
11189	Beach Cities Robotics Jr Too	Beach Cities Robotics	Redondo Beach	15	8
40	Teams	Totals	758	372	386

Team Checklist

A representative of each team should bring the following items to the registration table when they check in:

	Signed Consent and Release Form for everyone attending with your team. A Spanish language version of the Consent and Release Form is available.
	Signed FLL Coaches' Promise from the FLL Coaches' Handbook.
	Four (4) copies of your FLL Team Information Sheet (Profile). If possible, please attach a "team with robot" photo to each copy of the FLL Team Information Sheet. Give one copy to the emcee at your Robot Performance practice round. Give one copy to each team of judges.
	If you submitted an Ambassador Team application, bring a fifth (5 th) copy of your FLL Team Information Sheet (Profile) to your Ambassador Team interview.
	A volunteer to help staff the tournament for one half day.
	Any extra pieces of field setup kits that your team happens to possess or that you would like to donate. Several splints and many smaller pieces disappeared from practice tables during the local and qualifying events.

These forms are available on <http://fll.larobotics.org/Forms.html>.

Teams should bring the following items to their assigned table in the pit area:

	Team Robot / Spare Parts / Laptop Computer with your Robot's Programs. Please label power adapters with team number and/or owner's name, as these are often left behind.
	Presentation materials for Project, Robot Design and Teamwork judging
	If your team is using an RCX robot, please bring a cardboard box to store your RCX robot in so it doesn't accidentally get programmed by another team. Please use the cardboard box to cover your infrared tower and robot while downloading programs to your RCX robot. Please also set your infrared tower to short range.
	If your team is using an NXT robot, please use the USB cable instead of Bluetooth to download programs to your robot.

Optional items:

	Umbrellas or covers to protect your robot and presentation materials in case of rain. The weather forecast: Partly Cloudy, high temperature 65°, 0% chance of precipitation.
	Containers to store coats and other items when not in use.
	Seat cushions for sitting in the bleachers.
	Extension cord and/or power strip labeled with your team number and the owner's name.
	Practice Table and/or Field Setup Kit for shared use.

The Pit Area

Your team will be assigned to a 6 or 8 foot section of table with seating on both sides as your pit area in the Student Center. This is your team's home base, where you can set up your computer and program your robot. Your table will have a flag with your team's number and name. Your team should carry this flag with you to judging sessions and to robot performance rounds. Each pit area table will have a power strip at one end. You may want to bring a box so that you can store unneeded items under the table.

Robot Performance Practice Tables

There will be several practice tables in the Student Center near the pit areas. There will be several more practice tables in the Gym.

Food

Lunch (pizza, sandwiches), snacks and soft drinks will be available for purchase in the Student Center. A separate luncheon will be provided for referees, judges and other tournament volunteers in the Volunteer Lounge (Modular Room 118). A lunch menu and order form will be distributed to teams prior to the event.

Volunteers, Judges and Referees

We can always use a few more adult or high school age volunteers to help the tournament run more smoothly. Please contact LeRoy@LARFLL.org if your team can supply additional volunteers. A list of volunteer positions and job descriptions is available at <http://fl.larobotics.org/Volunteers.html>.

Referees need to familiarize themselves with the 2010 Challenge Body Forward documentation, including field setup, missions, rules and Q&A prior to the tournament. Challenge documents are available on <http://www.firstlegoleague.org/media/twocol.aspx?id=247>. Robot Design Judges should have a technical background or robot building experience. Other judges and tournament volunteers need no special training or experience other than attending the appropriate training session the day of the tournament, although familiarity with the appropriate sections of the Challenge documentation would be helpful. The training sessions for referees and judges start at 8:30 AM. Most other volunteers start at 9:00 AM for the morning shift and at 12:45 PM for the afternoon shift.

Coaches Meeting with Referees

There will be a short informational meeting before the Opening Ceremony in the gym near the competition fields. The primary coach, mentor or parent who will be supervising each team should attend. We will be making any last-minute schedule changes and announcements at that time. If you have any questions about field setup, missions, rules, rulings, tournament procedures or policies, this is the time to ask. This meeting should only last 5-10 minutes, so it is important to be on time.

Robot Performance Rounds

Each team will have one practice round match and three robot performance round matches at the Robot Performance competition tables in the gym near the bleachers. Only the highest score counts. Highest score ties may be broken by the second highest scores. Highest and second highest score ties may be broken by third highest scores.

Teams should go the staging area for their assigned competition table five (5) minutes early. Bring your team flag with you. When your team is called to the table from the staging area, only the two student robot operators may be within four feet (4') of the competition tables. Other team members may stand in the marked observation areas. During the match, student robot operators may move to the observation area and be replaced by other student robot operators, as long as there are never more than two student robot operators within four feet of the competition tables. Your team will typically have one minute to set up before each round and one minute to verify the scoring with the referee and clean up afterwards. Please be careful to leave all field elements on the field. Large trays will be provided near base for off-table storage.

Judging

Judging sessions are scheduled between Robot Performance rounds. Bring your team flag with you to the judging areas at least five (5) minutes before the scheduled start of your session. Coaches, parents and guests are welcome to observe, photograph and videotape judging sessions, but they are not allowed to interact with the judges or with the student team members during the judging session. Judges will evaluate teams according to the rubrics in the FLL Coaches' Handbook. All three teams of judges will observe the first judging sessions of the day to ensure that judging is consistent between teams of judges.

Robot Design judging will be combined with a Robot Performance match and will consist of two parts. For the first part, the judges will observe the Robot Performance match for half of the teams during the Practice Round and for the other half of the teams during Round 1. Team members should bring their laptop with their robot's programs and any presentation materials they have prepared for the Robot Design judging to that Robot Performance match. Laptops near the competition fields must be closed. Following that match, your team should quickly follow the Robot Design judges to the interview area. Your team will then have three to five (3-5) minutes for an interactive session with the judges.

Project judging will be done in classrooms. Presentations are limited to five (5) minutes, including setup time, followed by three to five (3-5) minutes for an interactive discussion with the judges. Bring any materials needed for your presentation. There will be no multi-media support in the judging rooms, but there will be an extension cord and power strip and you can use a laptop computer to show PowerPoint presentations or video presentations to the judges.

Teamwork judging will be done in classrooms. Your team will receive instructions and materials for a teamwork exercise. The instructions may or may not allow the coach to participate in the teamwork exercise. Your team will have up to four (4) minutes to perform the exercise, followed by three to five (3-5) minutes for an interactive discussion with the judges. Teamwork judges will also be observing teams during the event.

Awards

At the end of the day, we will hold an awards ceremony. Your team may or may not receive awards based on scoring or judging.

CORE TEAM AWARDS (1st, 2nd and 3rd Places)

- Champion's Award
- Robot Performance Award (not judged)
- Project Award
- Robot Design Award
- Teamwork Award

OPTIONAL TEAM AWARDS

- Against All Odds Award
- Rising Star Award
- Team Spirit Award
- Programming Award
- Consistent Robot Award
- Innovative Robot Award
- Research Quality Award
- Innovative Solution Award
- Creative Presentation Award
- Judges' Awards

OPTIONAL INDIVIDUAL AWARDS

- Outstanding Volunteer Award
- Adult Coach/Mentor Award
- Young Adult Mentor Award

Advancement

The purpose of the FLL events is to provide all teams with an outstanding *FIRST* LEGO League experience. Every team has a great opportunity to shine at these events.

More than one quarter of the teams that attended the six Los Angeles Region FLL Qualifying Tournaments advanced to this Championship Tournament. Los Angeles Region FLL was selected to send a team to the FLL World Festival April 27-30 in St. Louis. We may also be able to send a team to an Open Championship event May 20-22 at LEGOLAND California. We will be nominating one outstanding team to attend the World Festival as an FLL Values Team. This team will be selected by judges from teams that submitted Ambassador Team applications in advance. The application form and submission instructions were distributed to all eligible teams.

Cleanup

After the third performance round, each team should clean up its pit area prior to the Awards Ceremony. Please check for extra field elements and return any that you find. After the Awards Ceremony, teams are invited to stay and help clean up the rest of the tournament facility.