

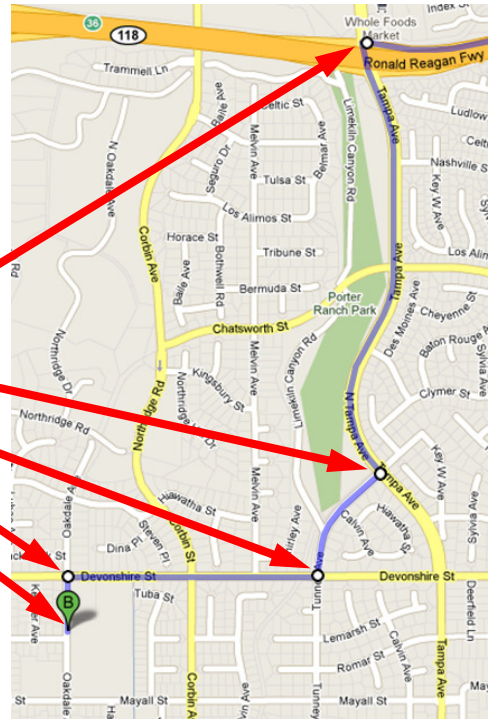
Los Angeles Region *FIRST*[®] LEGO[®] League Championship Tournaments 2012 Challenge: Senior SolutionsSM Independent. Engaged. Connected. Saturday, December 15, 2012, 8:00 AM-5:30 PM or Sunday, December 16, 2012, 8:00 AM-5:30 PM

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.

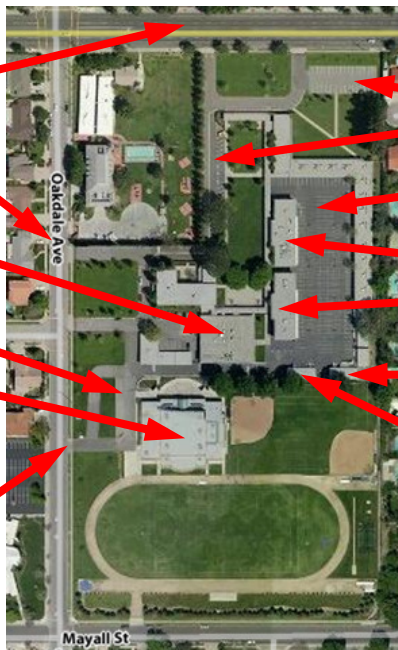


Parking

Free parking is available on the campus. Volunteer parking is in the north lots, team parking is on the basketball courts, and visitor parking is in the west lot.

Campus Map

| | |
|--|--|
| Devonshire Street | Volunteer Parking |
| Entrance to volunteer parking | Team Parking (Basketball courts) |
| Student Center (Team check in, pit areas, scorekeepers, practice tables, food) | Rooms 201-204 (Judging) |
| Visitor parking | Rooms 301-304 (Judging) |
| Gymnasium (Ceremonies, Robot Performance, Robot Design Judging, Robotics exhibits, more practice tables) | Room 117 (Ambassador Team Judging) |
| Entrance to event parking | Room 118 (Volunteer Check-in, Lounge) |



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. Admission and parking are free. Most of this event is being held in the 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.

Event Schedule

- 8:00 AM Team Check-In. Referee, Judge and Volunteer Check-In and Continental Breakfast.
- 8:15 AM Referee and Judge Training. Volunteer Assignments.
- 9:15 AM Coaches meeting with Referees in Gym.
- 9:30 AM Opening Ceremony.
- 10:00 AM Initial Practice Performance Round Match, Judging Sessions, and Project Exhibition.
- 10:30 AM Practice Performance Round, Judging & Ambassador Team Interviews continues.
- 12:30 PM Lunch.
- 1:10 PM Performance Round One, Judging & Ambassador Team Interviews.
- 3:10 PM Performance Round Two & Judge deliberations and team call backs.
- 3:45 PM Performance Round Three, Clean up Pit Area & Judge deliberations.
- 4:40 PM Awards ceremony.
- 5:30 PM Clean up.

Each team will have two robot performance matches and two judging sessions alternating every 50 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.

If we have enough judges, we may be able to shorten the Practice Round by 30 minutes and Round 1 by 20 minutes, which will allow the event to end approximately 50 minutes earlier.

Check In

Referees, Judges and other Volunteers should check in between 8:00 and 8:15 AM at Modular Room 118 at the south end of the basketball courts/team parking area. Teams should arrive and check in between 8:00 AM 9:00 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.

Teams for Saturday, December 15

| Team No. | Team Name | School or Organization | Team City |
|-----------|---|--|-------------------|
| 214 | Foothill LEGO Lovers AND BEYOND | Foothill Elementary School | Santa Barbara |
| 340 | Brownian Rovers | | Manhattan Beach |
| 758 | Pico Canyon Robo Huskies | Pico Canyon Elementary School | Stevenson Ranch |
| 768 | Mindstormers | Joe Walker Middle School | Quartz Hill |
| 773 | Senior Stealth Bots | Joe Walker Middle School | Quartz Hill |
| 912 | Gearded Dragons | Pleasant Valley Education Foundation | Camarillo |
| 1299 | Platibots | Jacobsen Middle School ASB Robotics Team | Tehachapi |
| 1302 | All Timers | Jacobsen Middle School ASB Robotics Team | Tehachapi |
| 2024 | The Dragoners | Santa Ynez Valley Charter School | Santa Ynez |
| 2486 | Gero-Dynamics | Pleasant Valley Education Foundation | Camarillo |
| 2603 | Marlbots | Marlborough School | Los Angeles |
| 2609 | Ancroid | All Nation Church | Agua Dulce |
| 2633 | Electric Pickles | Pleasant Valley Education Foundation | Camarillo |
| 2780 | Adventures in Robotics | Redeemer Community Partnership | Los Angeles |
| 2840 | Mesa Robles Robotics | Mesa Robles School | Hacienda Heights |
| 3068 | The Flaming Pancakes | Peabody Charter School | Santa Barbara |
| 3194 | West Design Gamma | West Middle School | Downey |
| 3237 | Heat It Up and Keep It Cool Robotics | | Newhall |
| 3780 | VW Robotics | Verdugo Woodlands Dads Club | Glendale |
| 3911 | One in a Million (Rogers #3) | Will Rogers Middle School | Lawndale |
| 5807 | Cyberjags 1 | Wilmington Middle School | Wilmington |
| 5808 | Cyberjags 2 | Wilmington Middle School | Wilmington |
| 5810 | CyberJags 3 | Wilmington Middle School | Wilmington |
| 6269 | LEGO Looneys | Delphi Academy | Lake View Terrace |
| 6845 | Cyber Monkeys | Girl Scouts of Greater Los Angeles | Sherman Oaks |
| 7181 | NXTeens | Hillview Middle School | Palmdale |
| 7205 | Rattlesnake Robotics #1 | | Redondo Beach |
| 7513 | PHI Apprentices | PHI Robotics | Lancaster |
| 7866 | Tiny Little Robotic Monkeys of Doom | St. Philip the Apostle School | Pasadena |
| 8073 | S.C.C.A.R. (Santa Clarita Christian Awesome Robotics) | Santa Clarita Christian School | Saugus |
| 8780 | Golden Gears | | La Canada |
| 9014 | Rattlesnake Robotics Team Too | | Redondo Beach |
| 10546 | Raving Robots | | Manhattan Beach |
| 11037 | Robo Titans | A.G.B.U. MDS | Canoga Park |
| 13416 | Unisquirrels | Amargosa Creek Middle School | Lancaster |
| 14853 | Strangers in a Strange Land | New Hope Academy | California City |
| 36 | Teams | | |

Teams for Sunday, December 16

| Team No. | Team Name | School or Organization | Team City |
|-----------|--|---|-------------------|
| 116 | WHS Robotics | WHS Robotics | Cerritos |
| 334 | Santa Claws | | Manhattan Beach |
| 357 | The Devil Dentures | Pleasant Valley Education Foundation | Camarillo |
| 443 | Get off My Lawn | Jefferson Middle School San Gabriel Unified | San Gabriel |
| 450 | Fountain of Youth | Jefferson Middle School San Gabriel Unified | San Gabriel |
| 777 | The Lucky Ones | Mesa Union School | Somis |
| 1133 | NeXT | Great Minds Robotics | Tarzana |
| 1578 | LEGOonardo DaVincis | Santa Barbara Homeschool Robotics Academy | Santa Barbara |
| 1760 | Paws Up for Pets | Pleasant Valley Education Foundation | Camarillo |
| 2026 | The Spartabots | Orcutt Academy K8 | Orcutt |
| 2198 | ExtremeNXT Girls | | Fullerton |
| 2580 | UCMS YingYang Pandas | Pleasant Valley Education Foundation | Camarillo |
| 2671 | Prune Juice All Stars | Pleasant Valley Education Foundation | Camarillo |
| 2736 | Robots in Black | Pleasant Valley Education Foundation | Camarillo |
| 2828 | Zombie Seniors! | Pleasant Valley Education Foundation | Camarillo |
| 2881 | Team Torch | Centers of Learning | North Hills |
| 3940 | 6M - Mostly Merry Mechanical | Monkeys of Monstrous Magnitude | Los Angeles |
| 4850 | RoboRally | Shared Science | Long Beach |
| 5313 | AARP (Always Appreciating and Respecting People) | Jefferson Middle School San Gabriel Unified | San Gabriel |
| 6272 | Got LEGO? | Delphi Academy | Lake View Terrace |
| 6846 | Random Chaos | Girl Scouts of Greater Los Angeles | Torrance |
| 6895 | Jurassic Jaguars | Longden Elementary School | Temple City |
| 7059 | OMS SLObots | Old Mission School | San Luis Obispo |
| 7432 | Swarm Robotics | | Los Angeles |
| 8256 | Beach Cities Robotics Jr-Beta | Beach Cities Robotics | Redondo Beach |
| 8676 | The N.E.R.D.S. | Great Minds Robotics | Tarzana |
| 8729 | Senior Savers | St. Anthony School | El Segundo |
| 9627 | Elite Eagles | FRC Team 589 | La Crescenta |
| 9799 | Ninja Knights | Woodrow Wilson Middle School | Glendale |
| 10034 | WHS Robotics | WHS Robotics | Cerritos |
| 10515 | Brick Busters | | Canyon Country |
| 11656 | Arghin Fargin | | Castaic |
| 12527 | Sprocketeers | STEM Center USA | Diamond Bar |
| 12598 | Cyborg Teddy Bears | | Paso Robles |
| 13238 | Rosemont Robotics 4 | | La Crescenta |
| 14263 | The Bobcats | Leona Valley School | Leona Valley |
| 36 | Teams | | |

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) . 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. |
| | Completed Lunch Order Form(s) and payment, if you are ordering lunch. |
| | The name of 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 ball racks, balls, quilts, flowers and other pieces disappeared from practice tables during the practice and qualifying tournaments. |

These forms are available on <http://fll.larobotics.org/Forms.html> along with Rubrics for judging and instructions for the Robot Design Executive Summary.

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 Core Values judging |
| | If your team is using an NXT robot, please always use the USB cable instead of Bluetooth to download programs to your robot. |
| | If your team is using an RCX robot, please bring a cardboard box to cover your infrared tower and robot while downloading programs and set your infrared tower to short range. |

Optional items:

| | |
|--|---|
| | Umbrellas or covers to protect your robot and presentation materials in case of rain. The weather forecast: Cloudy, high temperatures 58°, 53°; low temperature 34 °; chance of rain 20%, 10%. |
| | 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. |

The Pit Area

Your team will be assigned to an 8' 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 Field Tables

There will be six (6) practice field tables in the Student Center near the pit areas. There will be four (4) more practice field tables in the Gym. Some of the practice field tables and competition field tables will have the short sidewalls that are now recommended. This makes the field tables easier to transport and store and makes it easier for the audience to see the robots in action.

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 and volunteers with this logistics document and will be available online at <http://fll.larobotics.org/Forms.html>.

Volunteers, Judges and Referees

We need an average of one adult or high school age volunteer per team for one half-day shift to help the tournament run on time. We can always use a few extra volunteers to help the tournament run more smoothly. Please contact volunteers@larfll.org with the name(s) and email address(es), AM/PM shifts(s) and preferred position(s) of your team's volunteers. A list of volunteer positions and job descriptions is available at <http://fll.larobotics.org/Volunteers.html>.

A Referee Guide is available for Referees. Referees and Emcees also need to familiarize themselves with the Robot Game sections of the Challenge documentation, including field setup, missions, rules and updates prior to the tournament. Challenge documents are available on <http://fll.larobotics.org/SeniorSolutions2012.html>.

Preparation packets are available for Robot Design, Project and Core Values Judges. The prep packs include the sections of the Challenge documentation with which each judge needs to be familiar. Robot Design Judges should have a technical background, preferably including some programming and robot building experience. Project judges should have some knowledge of the science or technology behind the Challenge theme. Core Values Judges should have experience working with teams. Other tournament volunteers need no special training or experience, but all volunteers need to be reliable and vigilant. All volunteers should attend the appropriate training session the day of the tournament. The training sessions for referees and judges start at 8:15 AM. Most other volunteers start at 9:00 AM for the morning shift and at 12:45 PM for the afternoon shift. A few volunteers start earlier; for example, traffic and parking monitors start at 7:30 AM.

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 make any last-minute schedule changes and announcements at that time. If your team has any issues or concerns about field setup, missions, rules, updates, FAQs, tournament procedures or policies, this is the time to get them resolved. 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 main bleachers. The highest of the three scores 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 to the staging area for their assigned competition table five (5) minutes early. Carry 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 when you leave. Clear plastic bins and TV trays will be provided near base for off-table storage. Scores will be computed and projected at the scorekeeper's table in the pit area during Rounds 1-3. These scores will also be projected in the gym between rounds. The score sheets from each match will be available to teams at the scorekeeper's table after the closing ceremony.

Project Exhibition

We would like to try an idea suggested by a parent at one of the Qualifying Tournaments. Many teams attending the Championship have developed amazing projects, but only the Project judges usually get to learn about them. In order to allow team members to learn about the project ideas developed by other teams, all teams are requested to have one or two members present a very brief summary of their project problem, solution and sharing to the members of other teams at their pit tables between 10:00 and 10:30 AM. In order to facilitate traffic flow, please slide all chairs under the tables and have the presenters stand on the south side of their pit tables (facing the gym). Team members giving the presentations should be rotated so that all team members have an opportunity to learn about the project ideas of the other teams. Teams may want to distribute copies of their Team Information Sheets or other handouts to the other teams. Teams with 10:00 AM matches and judging sessions can join the exhibition after 10:10 AM, and teams with 10:30 AM matches and judging sessions will need to leave the exhibition by 10:25 AM.

Judging

Judging sessions are scheduled before, concurrent with, or 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 published with the Challenge documentation. The rubrics are also available online with the tournament forms at <http://fll.larobotics.org/Forms.html>. All teams of judges will observe the first judging sessions of the day to ensure that judging is consistent between teams of judges. The rubric sheets from each judging session will be available to teams at the scorekeeper's table after the closing ceremony.

Robot Design judging will be combined with a Robot Performance match and will consist of three parts. First, 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 extra robots, attachments or presentation materials they have prepared for the Robot Design judging to that Robot Performance match, but the person(s) holding them should sit in the bleachers during the match. Following that match, your team should quickly follow the Robot Design judges to the interview area. Your team will then have up to four (4) minutes to present the Robot Design Executive Summary to the judges followed by three (3) minutes for an interactive session with the judges.

Project judging will be done in classrooms and will consist of two parts. Presentations are limited to five (5) minutes, including setup time, followed by five (5) minutes for an interactive discussion with the judges. Bring any materials needed for your presentation. No multi-media support or power will be provided in the judging rooms. Teams are strongly discouraged from relying on any AV equipment other than a laptop computer, which can be placed on the table in front of the judges.

Core Values judging will be done in classrooms and will consist of two parts. 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 five (5) minutes to perform the exercise followed by five (5) minutes for an interactive discussion with the judges. Roving Core Values judges will also be observing teams during the event.

Ambassador Team judging will be done in classrooms for teams that submitted applications that were approved. Your team will have up to ten (10) minutes for an interactive discussion with the judges that will allow your team members to demonstrate their ability to communicate with visitors at demonstrations and exhibitions and to describe their 2012 outreach activities.

Awards

At the end of the day, we will hold an awards ceremony. Approximately one-third of teams will receive awards based on judging and robot game scoring.

TEAM AWARDS

Champion's Award (1st and 2nd Places)

Robot Performance (not judged)

Robot Design:

Mechanical Design

Programming

Strategy & Innovation

Project:

Research

Innovative Solution

Presentation

Core Values:

Inspiration

Teamwork

Gracious Professionalism[®]

Judges' Awards (3)

OPTIONAL INDIVIDUAL AWARDS

Outstanding Volunteer

Adult Coach/Mentor

Young Adult Mentor

Advancement

The purpose of 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.

Nearly one-third of the teams that attended the ten (10) Los Angeles Region FLL Qualifying Tournaments were given an opportunity to advance to the Los Angeles Region FLL Championship Tournaments. The first and second place Champion's Award teams at each Championship Tournament and perhaps some additional teams ranked highly by the judges will be eligible to attend one of these FLL International Invitational Championship events:

FLL World Festival, April 24-27, 2013 in St. Louis, MO (one team from each event).

FLL Open European Championship, May 7-10, 2013 in Paderborn, Germany.

FLL Open North American Championship, May 17-19, 2013 at LEGOLAND California in Carlsbad, CA (at least one team from each event).

FLL Open Asia Pacific Championship, July 4-6, 2013, in Sydney, Australia.

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 deliver any that you find to one of the practice fields. Please remove the tape securing the team flag base to the table, separate the base into two identical sections (short pipe plus elbow), and return both sections to the labeled storage container near the scoring table. Please keep your team flag until after the closing ceremony. After all of the pit tables in your row are clear, you can help roll up the power cords for your row and return the power cords, cord covers and power strips to their labeled storage containers near the scoring table. After the last match, you can help take down the field setup kits (FSKs): retrieve the FSK box and zip lock bags under the table, place the balls, flowers and smaller pieces of the practice fields in zip lock bags, pack the larger models, smaller models and zip lock bags in the FSK box and close the box, and roll up two mats together and place them in the cardboard tube. After the Awards Ceremony, teams are invited to stay and help clean up the rest.