



Hi Everyone,

*The following schools have registered for the Fall Workshop Day at CSUN this coming Saturday, November 6, 2010: Harvard Westlake, Chaminade College Preparatory, Orcult Academy, Reseda High School, El Camino Real High School, Canoga Park High School, San Marino High School, Rolling Hills Preparatory, Don Bosco Tech, Torrance High School, Monvovia High School, and Servite High School.*

*If there are any last minute additions please e-mail me and bring your check with you to the event. [nmcintyre@chaminade.org](mailto:nmcintyre@chaminade.org) Checks for onsite registration will be \$100 made payable to SCRRF.*

*We will have about 20 sessions that will be available during the three time sessions of Session I 8:15 to 9:30, Session II 9:45 to 11:00, and Session III 11:15 to 12:30. We have removed the 4<sup>th</sup> session to give everyone the afternoon off.*

*For many of you out there in the greater Los Angeles area local Kickoff with Kit Pick Up is at USC. Larry Lim will have everything ready for us including some breakfast. Remember that only 4 members per team will fit in the auditorium. Make sure one of those people is the adult who is responsible for signing for the kit.*

Have a great week,

-Nancy Mc

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The Pre Ship Scrimmage will be at Harvey Mudd on Feb 20th, starting at 8am. Rookie teams are highly encouraged to attend. As usual we will be offering courtesy inspections. This is also a great place for teams that have no room to run their robot to find out just what it will do. I am looking for a scale suitable for robot weighing that we can borrow.

Another event is in the planning stages. It is a Robot Quick Build Session. All teams who can use help with assembling their robot are encouraged to attend, especially rookies. We will be building complete kitbots. Teams should be able to leave the event with a running robot base. Once they get it running they can modify as they see fit. We are tentatively planning this event for Jan 15th at Poly High in Riverside. We can also use some volunteer mentors, especially in electronics and programming.

Christopher H Husmann, PE  
Tool Design Stress Analyst  
Northrop Grumman - Aerospace Systems  
2P61/ES1  
310 331-6758

There is an archive of this newsletter is posted at <http://larobotics.org/SeniorMentorNewsletters.html> should you need to see it again for reference or to share it with someone else.

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**Don't Forget to Register to Attend a Local Kickoff in TIMS: "Kit and Kickoff Preferences" is where you indicate how your team**

wants to pickup/receive the Kit of Parts (KoP) and where/if your team plans to attend Kickoff. Please note the following before you making your selections:

Picking up your KoP at a Kickoff will save your team shipping costs;

If your team chooses not to attend any Kickoff, the KoP will be shipped to your Shipping Contact and your team will be responsible for the shipping costs.\* Teams that choose to have their KoP shipped can expect to receive it sometime during the week after Kickoff. International teams should be aware your delivery will depend on customs clearance;

Your team may attend more than one Kickoff. For example, you can send members to the Kickoff in Manchester, NH, at the same time that other members of your team attend a Local Kickoff in your area. However, you must indicate only one kickoff for kit pickup.

We **strongly** encourage Rookie Teams to send two (2) adult team leaders to the Manchester, NH Kickoff Workshops! Workshop topics and descriptions are coming soon!



The LARFLL events page has been updated

(<http://fll.larobotics.org/Events.html>)

and the FLL Team Registration and

LeRoy Nelson is the partner in Los Angeles [LeRoyNelson@earthlink.net](mailto:LeRoyNelson@earthlink.net)

Lynn Crockett is the partner in San Diego

[Lynn.Crockett@LEGOLAND.com](mailto:Lynn.Crockett@LEGOLAND.com)

Sara Tamayose is the partner in Hawaii [stamayose@gmail.com](mailto:stamayose@gmail.com)

<http://www.hawaiiifll.org/>

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FIRST Tech Challenge

Los Angeles Partner Suparna Mukherjee  
[suparna.mukherjee@jpl.nasa.gov](mailto:suparna.mukherjee@jpl.nasa.gov)

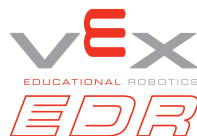
San Diego Partner John Brooks

[jbrooks6@att.net](mailto:jbrooks6@att.net)

San Diego Partner Marion Brooks

[manybrooks@att.net](mailto:manybrooks@att.net)

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## 2011 WORLD CHAMPIONSHIP QUALIFYING CRITERIA

Below are the criteria for teams to qualify for participation in the 2011 VEX Robotics Competition World Championship at official VEX Robotics Competition tournaments being held worldwide from May 2010 to March 2011.

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**2011 VRC World Championship qualifying spots are available at official tournaments as follows:**

Small events with 18 – 23 teams will qualify up to **4 teams**

Tournament Champions on the winning alliance (2 or 3 teams)

Excellence Award winner (1 team)

Medium events with 24 – 50 teams will qualify up to **6 teams**

Tournament Champions on the winning alliance (3 teams)

Excellence Award winner (1 team)

Programming Skills Challenge 1st Place (1 team)

Robot Skills Challenge 1st Place (1 team)

Large Events with 51 or more teams will qualify up to **9 teams**

Tournament Champions on the winning alliance (3 teams)

Tournament Finalists on the runner-up alliance (3 teams)

Excellence Award winner (1 team)

Programming Skills Challenge 1st Place (1 team)

Robot Skills Challenge 1st Place (1 team)

**1. To be eligible for a qualifying spot, a team must be officially registered as a 2010/2011 VEX Robotics Competition (VRC) team and have their official 2010/2011 VRC Team Identification Number and Robot ID plates.**

**An "Official" VEX Robotics Competition event meets the following criteria:**

- a. Is listed as a VRC event with online registration hosted on Robotevents.com
- b. Teams participating at the event are registered as VRC teams
- c. The event has a minimum of 18 participating teams

**3. Spots are held for teams for up to 4 weeks** from the date of the event they qualified

at. Teams that qualify before Feb 15th, 2011 will have 4 weeks. Teams that qualify from Feb 16 to March 15, 2011 will have 2 weeks. Teams that qualify after March 15 will have 1 week. A qualified team that registers after the cutoff will be given priority on the VRC World Championship waitlist, but will no longer have a guaranteed spot.

VEX CAD files can be found at

[http://www.vexforum.com/wiki/index.php/VE\\_XCAD](http://www.vexforum.com/wiki/index.php/VE_XCAD)

Vex Design Overview

<http://www.vexrobotics.com/design?ref=home>

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MATE Underwater Robotics Program

International Micro Robot Maze Competition

The International Micro Robot Maze Contest has been held for 13 years in Nagoya, which is in parallel with the International Symposium on Micro Mechatronics and Human Science (MHS)

[http://imd.eng.kagawa-u.ac.jp/maze/index\\_e.html](http://imd.eng.kagawa-u.ac.jp/maze/index_e.html)

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Upcoming Events:

Greater Los Angeles Area Fall Workshop:  
FRC, FTC and VEX teams welcome.  
Saturday November 6, 2010 CSUN

CR HHS SMI VEX Round Up Challenge Nov  
13, 2010 Hawthorne High School

Granada Hills/ SME VEX Tournament:  
Saturday, November 20, 2010

VEX Pan Pacific Games: December 2-4, 2010  
Honolulu Convention Center, Hawaii

Los Angeles VEX Competition: Saturday,  
December 11, 2010 CSUN

Los Angeles FLL Regional: Saturday,  
December 18, 2010 Chaminade College  
Preparatory Chatsworth, CA

FRC Kickoff 2011: USC School of Engineering  
Saturday, January 8, 2011 Location TBD

FRC Pre Ship Scrimmage February 20, 2011  
Harvey Mudd to host.

San Diego FRC Regional March 10-12, 2011

Los Angeles FRC Regional March 24-26, 2011

Hawaii FRC Regional March 24-26, 2011

VEX World Championship Walt Disney World  
April 14-16, 2011

FiRST Championship St. Louis April 27-30,  
2011

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#### Resources:

FIRST [www.usfirst.org](http://www.usfirst.org)

VEX [www.vexrobotics.com](http://www.vexrobotics.com)

Robotevents [www.robotevents.com](http://www.robotevents.com)

Carnegie Mellon Curriculum  
<http://www.education.rec.ri.cmu.edu/robotics/curriculum/index.html>

ROC <http://www.hawaiiroc.org/>

Autodesk Student Community  
<http://students.autodesk.com/>

Robot Magazine <http://www.botmag.com/>

Chief Delphi  
<http://www.chiefdelphi.com/forums/index.php>



#### Grants and Fund Raising Ideas:

- ✓ Homeroom Reformers \$5,000 Essay Contest Sponsored by NBC Education Nation. Information can be found at <http://www.nbclosangeles.com/brchann el/103554939.html>
- ✓ Has your team sold Hexbugs? We made \$3,000 just before last Christmas! They make great stocking stuffers. Information at <http://www.vexrobotics.com/fundraisin g>

- ✓ Intel honors schools as Intel Schools of Distinction for their extraordinary commitment to instituting 21st century teaching and learning environments and for exemplary instruction in math and science. The 2010 winning schools from six states were announced at a gala celebration in Washington, D.C. Sept. 14. - you can learn more about them here:

<http://www.youtube.com/watch?v=7w0cvPw2 FPU>

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Have a great week,

-Nancy Mc  
*FUTURE Founding Board Member*

*(My school e-mail is still the best way to reach me during the academic year.)*

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[nancy@futurefound.org](mailto:nancy@futurefound.org)