



F.U.T.U.R.E
 FOUNDATION
 Foundation for the Understanding of Technology Using Robotics in Education

Welcome Back Everyone,

I hope that this newsletter is finding everyone back from summer vacations and adventures and ready for some robotics news.

I have changed the format of this newsletter so that I can incorporate more items that teams, teachers, and schools have been looking for. If you no longer wish to be on my list please let me know and I will remove you. As always you are welcome to share everything in this newsletter with all members of your teams and with anyone who is interested in robotics.

I am going to do my best to provide information that will support the teams on Hawaii in addition to everyone here in Southern California. I am always glad to get ideas and suggestions so please continue to me information. Also, if there is anyone out there that would like to write a segment I will be glad to incorporate your efforts into my bi-monthly and weekly seasonal newsletters.

-Nancy Mc

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TIMS Update: As you know, we have been working hard all summer to make FRC TIMS more functional and user friendly. We are



pleased to announce that TIMS will officially open on Thursday, August 26th at 12 noon EST for teams to input their 2011 Team Profile

information. As we approach the opening date, we will send an additional email with details about the new features and changes to the system!

Mentor Recognition: When TIMS opens for the 2011 season, please be sure to send Mentor Invitations to all your team mentors and adult volunteers. It only takes a minute, and they will receive a 2011 Mentor/Coach recognition certificate and pin in January for National Mentor Month if they sign up. Please help us thank them for all their hours of hard work on behalf of your team and *FIRST*.

Did you know that there is a link on the *FIRST* page for Mentors and Coaches that will answer many of the questions that come up during the year?

<http://www.usfirst.org/roboticsprograms/coachesmentors/default.aspx>

➔ If you know of any Rookie teams for this upcoming season, please let me know. I am planning a rookie workshop and have a lead on some funding for NEW teams.

nmcintyre@chaminade.org

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Can *FIRST*® LEGO®

League Teams improve our quality of life? Through the 2010 Body Forward™ Challenge, 9 to 14 year olds* will explore the cutting-edge world of Biomedical Engineering to discover innovative ways to repair injuries, overcome genetic predispositions, and maximize the body's potential, with the intended purpose of leading happier and healthier lives.

LeRoy Nelson is the partner in Los Angeles LeRoyNelson@earthlink.net
 Lynn Crockett is the partner in San Diego

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Sara Tamayose is the partner in Hawaii
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FIRST[®] Tech Challenge The *FIRST* Tech Challenge (FTC) registration opens Monday, May 3, 2010. The registration fee for the 2010 FTC season is \$275.00 (US) per team. The FTC Registration process and fee do not include participation in an event. Each tournament may have an additional event registration fee. Information on 2010 tournaments will be posted beginning on September 13, 2010.

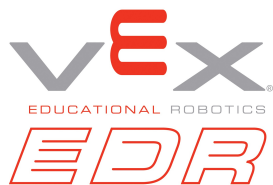
This year's FTC Kickoff will be held online in September 11, 2010, and the 2010 Tournaments will run from early December through early March of 2011. The season will conclude with the FIRST Championship at the The Edward Jones Dome in St. Louis, featuring the *FIRST* Tech Challenge World Championship Event. Information on eligibility for the World Championship Event will be released and posted in October.

Los Angeles Partner Suparna Mukherjee
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San Diego Partner Marion Brooks
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The 2010/ 2011 Game has been announced last spring and teams have been working all summer on Round Up.

There are a total of forty (40) – twenty

(20) red and twenty (20) blue – tubes available as scoring objects in the game. Thirty-six (36) of the tubes will start at designated locations on the field; while two (2) will be available to each alliance prior to the match.

Each robot (smaller than 18"x18"x18" to start) begins a match on one of their colored alliance tiles. There are nine goalposts, five of which are attached to movable weighted bases, which teams can score tubes on. Alliances earn extra points for owning a goalpost by scoring more tubes on the goalpost than their opponents. At the center of the field is a 36" high structure known as the ladder that teams can climb or hang off of for additional points. Robots earn different point values for being at least 6" (low hanging) or 18" (high hanging) off the ground.

Full Information on the rules is posted at http://www.vexforum.com/wiki/index.php/Round_Up

There are already 96 events posted at RobotEvents at <http://robotevents.com/robot-competitions/vex-robotics-competition>

VEX CAD files can be found at <http://www.vexforum.com/wiki/index.php/VEXCAD>

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

Did you know that there are six Online VEX Challenges that teams can enter? Information is posted on Robotevents.com

<http://forum.robotevents.com/design/>

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MATE Underwater Robotics Program

This spring my team jumped into the deep end so to speak and entered the MATE competition in Long Beach, CA. This was a whole new set of skills for us and although we struggled we learned a great deal and will be back ready to compete next year.

The **International ROV Competition** is organized by the MATE Center and Marine Technology Society's (MTS) ROV Committee.

The event is sponsored by marine industry and working professionals, research institutions, government agencies, and professional societies.

For additional information see their website at http://www.marinetech.org/rov_competition/index.php

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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

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Upcoming Events:

Fall Workshop FRC, FTC and VEX teams welcome. Saturday November 6, 2010 CSUN

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

Los Angeles VEX Competition Saturday, December 11, 2010 CSUN

FRC Kickoff 2011 USC School of Engineering Saturday, January 8, 2011

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

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Resources:

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>

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Quote for the week:

*"This is the beginning of something great."
- Mollie Becker*

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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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