



No update this week.

Hi Everyone,

Enough teams have replied back to me to demonstrate interest in the Annual Fall Workshop which is designed to prepare students and mentors for the upcoming seasons in FRC FTC and VEX.

The date is Saturday, November 6, 2010. Yes we know that there are SATs on that day but by the time the kids are seniors they should have already come to this event several times and should be leading their teams.

We have a brand new workshop on Safety being hosted by Underwriters Laboratory who head up all of our safety judging at the regional's. They will be featuring some of the new procedures that we will see in the spring.

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.

We have presenters from Autodesk, Medtronic, Raytheon, Northrop Grumman, PTC, JPL, Intelitek, and the Metropolitan Water District to name a few of the companies who have stepped up to help.

Team registration is \$75.00 until this Friday October 29, 2010 at 4:00. Onsite registration is \$100 per team. Make Checks payable to SCRRF. You can register online at [www.robotevents.com](http://www.robotevents.com) and for more information you are welcome to e-mail me at [nmcintyre@chaminade.org](mailto:nmcintyre@chaminade.org)

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**2<sup>nd</sup> Event Registration opens this week:** Teams will be able to register for their 2<sup>nd</sup> Competition event in TIMS starting 10/28 at 12 noon EDT:  
<https://my.usfirst.org/frc/tims/site.lasso>. Veteran teams who DID compete at the 2010 Championship can also register for Championship on this date.

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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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[Did you catch FIRST founder Dean Kamen on "Today" last week?](#) He was also be on the Discovery Channel. Planet Green, will launch a series called "Dean of Invention" hosted by none other than our own Dean Kamen. The first two 30-minute shows will be on [Planet Green](#) at 10 p.m. The first half-hour show will be "Microrobots" and the second half-hour show will be "Building the Bionic Body." Tune in and share this breaking news with your teams, family, friends, classmates, teachers, and neighbors.

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FTC has just announced a new initiative that benefits FRC teams. If your FRC team supports the development of a new North American FTC team between Nov 1, 2010 and Mar 30, 2011 the FTC team will receive a \$200 discount on the 2010-2011 season registration and the FRC team will receive a \$500 credit on their 2012 FRC season registration (limited to the first 650 FTC teams, maximum 10 FTC teams per FRC team).

Help build the *FIRST* family! For more details go here:  
<http://www.usfirst.org/roboticsprograms/ftc/content.aspx?id=18371>.

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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It's only October and we already have over 1800 teams registered – it's going to be another record setting year!

A few short notes this month:

**VEX ROBOTICS ALL-STAR CHALLENGE AT ESPN's WIDE WORLD OF SPORTS® COMPLEX at the Walt Disney World Resort in Florida.**

The 2nd Annual VEX Robotics All-Star Challenge event at Disney World is open for registration. The event will be Nov 11-13 in Orlando, Florida. We have some tremendous hotel packages that include park passes and airport transportation. Registration and hotel booking details are at the [All-Star Challenge event page at RobotEvents.com](#). We've been working with the ESPN and Disney coordinators all summer, and they've got some great plans to make the 2010 All-Star Challenge an amazing event.

**\*\* SPECIAL OFFER \*\*** Disney World is providing World Championship grants to the winning teams that qualify at the All-Star Challenge. That's right, as an added bonus, the winning teams for both the middle/high school tournament and the college tournament will get a grant that helps cover the cost of entering the 2011 VEX Robotics World Championship from Disney!

**APPENDIX E – AWARDS FOR VEX ROUNDUP IS NOW POSTED**

New and improved with a new "Inspire" award to encourage sharing of technical design prowess – check it out [here](#).

**REMINDER: REGISTER YOUR TEAM TODAY**

Go to [RobotEvents.com](http://RobotEvents.com) to register your VRC team today to ensure you don't miss out on all the latest information. It's \$75 for the first team at a school, and only \$25 for each additional team! Once the payment is received, you will get a Welcome Kit that includes Sample Game Elements (for the first team only), Team License Plates, Flags and some other goodies!

### WANT TO HOST AN EVENT?

We'll help you do it! Just contact us here for details: [events@robotevents.com](mailto:events@robotevents.com) or contact your local RECF Regional Manager.

### PRODUCT UPDATES

New! [4" High Traction Tire. P/N 276-1489](#)  
4-pack for \$12.99

- Now get high traction AND high speed!

Updated! The new version of EasyC V4 for Cortex is now available. Ver 4.0.1.1

- Download it directly from here: [intelitekdownloads.com](http://intelitekdownloads.com)\*\*
- Free upgrade to existing customers – do it today, lots of improvements!

\*\*Be sure to check back here often – Intelitek is constantly improving these products, so don't miss out on the latest updates.

### VOLUNTEER – WIN PRIZES!

Well ... not really, but you will find it exceptionally rewarding! Help out a local event or if you want to help at a major event like the Disney All-Star Challenge or the World Championship, just go to the event page on [RobotEvents.com](http://RobotEvents.com) and click on the Volunteer link.

### NEED IDEAS OR HELP?

VEX, Intelitek, CMU, RECF, and hundreds of students and mentors participate in the VEX

forum regularly. If you are looking for help, ideas, or inspiration, check out [www.vexforum.com](http://www.vexforum.com) today. Being a regular contributor on the forum is a great first step to winning the new Inspire Award!

There are already 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/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

The MATE Center coordinates an international student ROV competition and a network of 19 regional ROV contests that take place across U.S. and in Canada, Hong Kong, and Scotland. Student teams from middle schools, high schools, home schools, community colleges, and universities participate in the events, which consist of different "classes" that vary depending on the sophistication of the ROVs and the mission requirements.

In addition to being fun and educational, these competitions connect students and educators with employers and working professionals from marine industries, highlight marine-related career opportunities, and promote the development of technical, problem solving, critical thinking, and teamwork skills.

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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Hi *FIRST* Teams and Mentors!

I'm sure everyone is gearing up and getting excited for the kickoff of the 2011 *FIRST* Robotics Competition! According to my records, you showed an interest in Gates belt drive components last year. Gates would be happy to provide **free belt drive components** to your *FIRST* Robotics Team during the **preseason of the 2011 FRC**. Simply visit [www.gates.com/drivedesign](http://www.gates.com/drivedesign) to view catalogs, drive designs manuals, and drive design tools free of charge. These tools can help you determine what part numbers you might need for your applications. Once you have determined the required items, please fill out the following form and email the file back to [ptpasupport@gates.com](mailto:ptpasupport@gates.com), with **your team name, number and the word "FIRST" in the email subject heading**. Parts will be provided and ground shipped to the address you provide in the form free of charge.

This Gates offer is available to any *FIRST* Robotics Team, so if you know of any other teams in need, just forward this email to them. Gates does reserve the right to limit the style and quantity of parts provided to each team. If you have any questions or concerns, please call Gates Product Application Engineering at 303-744-5800 and select Option 2.

Good luck in the preseason!

Regards,  
Shannon Lynch

**Gates Corporation**

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**Hello ROBOTC TETRIX and MINDSTORMS users,**

We are offering our very popular online **TETRIX and MINDSTORMS course** again this November.

This exciting six-week class provides online instruction to learn the ins and outs of using **ROBOTC**, a **USB Headset** to participate in the online class, and a copy of the **ROBOTC Curriculum for TETRIX and LEGO Mindstorms!**

The first class meeting of the TETRIX class is on **Wednesday, November 3rd, 2010 from 6:00-8:00pm Eastern Standard Time (EST)** and will meet once a week on Wednesdays for 6 weeks. The class will conclude on December 8th, 2010.

**There are two options available:**

The online course **with** the curriculum that you can use in your classroom and the headset - **\$499** [Click here to register for TETRIX Online Training](#)

The online course **without** the curriculum or the headset - **\$199** [Click here to register for the SPECIAL on Training](#) (You'll be able to view the online version of the curriculum for the duration of the class and use your own headset or speakers)

If cost is an issue, but you really want the training please send an email to [training@rec.ri.cmu.edu](mailto:training@rec.ri.cmu.edu)

**Registration closes October 25!**

For questions or anything else, e-mail [training@rec.ri.cmu.edu](mailto:training@rec.ri.cmu.edu)

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Welcome to Rookie Teams from Inland Empire

**Inland Empire Rookie teams**

- 3453 - TPS FIRST Robotics - Temecula Preparatory Academy, Temecula CA
- 3470 - Cyber Zombies - River Springs Charter, Temecula CA
- 3476 - Code Orange - Home schooled students, Dana Point CA
- 3500 - Equipo Roboteenz - Notre Dame HS, Perris CA
- 3529 - Knights - Shadow Hills HS, Indio CA

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Upcoming Events:

- San Diego Fall Workshop: October 30, 2010
- Robofest 2010 Vex round up at Mtsac College. Exposition and demo of the State of the Art Robots Saturday, Oct 30th.
- 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 Locat

- 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:

- ✓ In just two weeks the **2010 LEGO® Smart™ Creativity Contest** will end and roughly \$10,000 worth of LEGO Education classroom solutions will be awarded!

**Are you ready to win?**  
This year's contest challenge is to **create a**

**classroom lesson about renewable energy that uses LEGO elements to construct an object your students will be studying.**

Contestants must submit a completed [LEGO Smart Lesson Form](#) with an image of their classroom LEGO Smart build by November 5th to qualify for this year's contest.

Four grand prizes of \$1,000 and eight first-place prizes of \$500 in LEGO Education gift certificates and classroom LEGO Smart Kits will be awarded!

Whether your students are studying solar energy or geothermal heat, create a lesson plan and start building! Remember, the deadline to enter is Friday, November 5, 2010!

For more information about this year's LEGO Smart Creativity Contest, visit [www.LEGOeducation.us/CreativityContest](http://www.LEGOeducation.us/CreativityContest) or e-mail Debra at [dsmith@LEGOeducation.us](mailto:dsmith@LEGOeducation.us).

- ✓ NASA has posted the team grant guidelines and application process to the website shown below. Please encourage teams to read the application process and apply as directed. The deadline for the team applications is midnight October 30, 2010.

<http://rcs.arc.nasa.gov/rcs/app/directions.php>

- ✓ Homeroom Reformers \$5,000 Essay Contest Sponsored by NBC Education Nation. Information can be found at <http://www.nbclosangeles.com/branchanel/103554939.html>

- ✓ 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=7w0cvPw2FPU>

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Quote for the week:

*"The future belongs to those who believe in the beauty of their dreams."*

- [Eleanor Roosevelt](#)

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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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