



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 4th 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 and for more information you are welcome to e-mail me at nmcintyre@chaminade.org

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2nd Event Registration opens

this week: Teams will be able to register for their 2nd 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
Lynn Crockett is the partner in San Diego Lynn.Crockett@LEGOLAND.com
Sara Tamayose is the partner in Hawaii stamayose@gmail.com
<http://www.hawaii.fll.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

San Diego Partner John Brooks
jbrooks6@att.net

San Diego Partner Marion Brooks
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 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 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**
- 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 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 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

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

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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 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, 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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www.gates.com/drivedesign/

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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

Registration closes October 25!

For questions or anything else, e-mail 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

VEX www.vexrobotics.com

Robotevents 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 or e-mail Debra at 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.)

nmcintyre@chaminade.org
nancy@futurefound.org