

Advanced Technology and Applied Science “Good Stuff” for January, 2011

Architecture and Drafting Glen Stevenson reports:

- On Thursday 1/13/11 myself and Karen Taylor attended a college fair at Woodbridge High School. We arrived at 9:30 to set up with 8 other schools including IVC, Orange Coast, ITT Tech, American Musical and Dramatic Academy, Interior Design Institute, Universal Technical Institute, Laguna College of Art and Design, and California College of the Arts. We were asked to speak to two groups of about 30 students for two minutes about our college and the courses offered. After the students were given time to walk around and speak to the different college representatives. Karen and I set up a table with all the course flyers set up by Maria. During the day we were able to talk to students about their interests and give them information on the offerings in the Applied Technology department at Saddleback. Most of the students were Juniors and Seniors, but most were still looking for a discipline that interested them. The students at the school were mostly interested in Design Graphic, animation and graphics, culinary arts, fashion, and theater, with some picking up flyers for Mechanical and architecture. Some students grabbed many flyers and asked about other programs at Saddleback. The most fun was watching the students have fun with the mood pencils that Maria gave us to give out. They changed color when you held them with warm hands. Overall I think it was a great day to get out and share what we do here at Saddleback with the students.

Automotive Technology Cliff Meyer reports:

Donations

Kia Motor America has donated a 2011 Kia Optima and a 2011 Kia Sorrento to the Auto Tech department at Saddleback College. These new cars will be used in “live” lab activities by our students. The value of these vehicles is well over **\$50K dollars** !

Awards

Congratulations to San Clemente High School’s Automotive Academy

FOUNTAIN VALLEY Car won't start? Left-turn signal doesn't blink?
Check-engine light stays on?

Chances are pretty good that Daniel Pollak and Luc Rojas can diagnose and fix those problems.



San Clemente High's Luc Rojas, 17, left, instructor Robert McCarroll and Daniel Pollak, 18, took first place in the Orange County Automobile Dealers Association 18th annual Automotive Technology Competition. The teens competed for scholarships against 10 students from five high schools at the Hyundai Motor America headquarters in Fountain Valley.

CINDY YAMANAKA, THE ORANGE COUNTY REGISTER

The San Clemente High students captured first place Saturday in the 18th Annual Automotive Technology Competition at Hyundai Motor America.

Organized by the Orange County Automobile Dealers Association, the event pitted six two-person teams from Orange County high schools against one another in a two-hour competition in which the students must diagnose, repair and document mechanical glitches on real vehicles.

The students were required to diagnose, repair and document each fix for it to have counted toward their score.

While the dealers group doesn't release the scores, officials said work done by the San Clemente duo on their 2011 Hyundai Accent was "virtually flawless."

"I expected to come and try my hardest and do the best I could," said Pollak, a senior. "I like cars and have been working on them since I was 13."

"We've been practicing for so long, and now finally (the victory) happens," Rojas said.

With the victory, Rojas and Pollak, along with instructor Robert McCarroll, advance to the National Automotive Technology Competition in New York in April, coinciding with the New York International Auto Show. They will be compete against more than 30 teams at that event.

For the competition, each vehicle was intentionally bugged with 25 malfunctions such as horns not working, headlights out, loosened lug nuts and disabled fuses.

The bugs mirror the types of issues found in cars going from the factory to the dealer or traded in as used cars, said dealers association volunteer Ron Bell, the unofficial "chairman of the bug committee."

And unlike a football coach yelling instructions to his team, students were not allowed to confer with instructors.

For the past three months, the two-man teams trained on the exact car they used in the competition Saturday. Each team trained with a technician from an Orange County car dealership, along with the instructor from their respective schools.

The Sunny Hills (Fullerton) team of Tanner Paul and Moriah McPherson finished second, and Loara's (Anaheim) Michael Ornelas and Joe Mejia were third.

San Clemente's championship was the school's eighth since the competition started.

Loara had won the past three years and was the defending national champion.

All participants receive scholarships from the dealers group to community college automotive programs.

"Not every kid is an athlete and not every kid is in a music program," the group's Executive Director John Sackrison said. "This is their gift, and we are able to help them celebrate it today."

Careers in auto repair require more computer expertise these days than simply mechanical knowledge, Sackrison said.

"As these cars become more sophisticated, the technology to work on them becomes more sophisticated as well."

The students are often given jobs by the dealerships that sponsored them, he said.

Contact the writer: Contact the writer: lponsi@ocregister.com or 714-704-3730

Saddleback College Automotive Technology department provides the OCADA Troubleshooting Contest student testing used to qualify the student teams for the local Orange County High Schools. We are very proud to participate for the past 18 years in the wonderful event.

General

The auto tech department is updating it's shop equipment. We are just completing installing new vehicle hoists to replace our 20 year old vehicle hoists. This was a very exciting project and the students are very excited about using the new hoists when our class lab activities start.

Presentations, Outreach and Tours

During the month of January Matthew Miller has been working on updating our Auto Tech website. Matt was hired as a Project Specialist due to his great computer skills and outgoing personality. He will also work in our department on Perkins projects though out the school year. One of our current plans is to visit every high school in a 40+ mile radius of Saddleback College. Matt will also be representing the auto tech department at on campus and off campus student events. Please welcome Matt to our team!

Letter from Industry:

I don't know if you remember me but we met and spoke about a year ago to discuss various aspects of my car racing team including having the opportunity to bring some automotive interns from Saddleback on board. One of your students, Sean Trabue, has been with us for a year and I know we've all gained from the experience.

If the opportunity is still available, would you mind including another post on your board for another crew member. I've included some of the description below with the pertinent contact information.

Thanks again for your help!

John

Race Team Intern

We are seeking an automotive student to help prepare and maintain race cars for our Santa Ana-based race team. Besides normal crew member duties, the internship would also include travel with the team to race events and participation in endurance race pit stops. At the present time the internship does not include compensation but the team will pay for travel, food and hotel accommodations when traveling and there is an opportunity for school credit. If interested contact John Gibson at RJ Racing (714-883-5528 or jjgibson@rjracing.net).

Culinary, Foods and Nutrition Suzanne Hewett and Lori Hoolihan report:

- Dr. Lori Hoolihan, part time faculty for Foods & Nutrition has had a session proposal approved for the 2011 Institute of Food Technologists' (IFT) annual meeting, titled "Rethinking Protein Requirements and Recommendations: Beyond Muscle". This session will outline the new research and positive health benefits of protein, including bone health, weight management, blood glucose control, heart health, facilitating the aging process, and post-exercise rehydration and recovery beverages. Attendees will benefit by gaining a perspective on the consumer's knowledge, attitudes and beliefs around dietary protein so that they can

better gauge demand for amounts and types of protein in products and plan appropriate and targeted educational, marketing and promotional efforts for their products.

Speakers include Dr. Donald Layman, Dr. Douglas Paddon-Jones, and Dr. Sheila Courington - a fabulous team to bring this new research and application to the food industry audience. Dr. Hoolihan was invited to moderate the session, along with a representative from National Dairy Council. It will take place in June in New Orleans and attendance for the conference is generally around 15,000 .

- All 550+ nutrition students this term are busy on the self analysis computer assessment project. They are learning to be their own "best nutritionist" with the assistance of the all R.D. (registered dietitian) instructors.
- Students are applying to CSULB, CalPoly Pomona, SDSU & Loma Linda University for their four year degrees in foods and nutrition and dietetics.
- Lisa Inlow is hosting the workshop for classified employees in the Culinary Teamwork Building activity in February.
- Students in FN 120 are planning a site visit to Whole Foods to assess the marketing experience of consumers--in search of healthy recipe ingredients.

Lisa Inlow reports:

- All culinary classes are working hard this week on the preparations for the Saddleback Foundation Gala scheduled for this Saturday Feb. 5th. The event will raise scholarship money for Saddleback students. The menu has been created to include offerings from each of our classes specific topics. Offering guests a glimpse into each classes focus.

Environmental Studies Morgan Barrows reports:

- Department enrollment is up almost 10% over last spring.
- The department chair was interviewed for a segment on Channel 39 regarding why the crows are a big presence at Saddleback College. You can watch the segment at <http://ch39.saddleback.edu/Cablecast/Public/Show.aspx?ChannelID=1&ShowID=709>.
- A memorial scholarship was set up in honor of Lee Waian, a former environmental studies instructor.
- Student volunteers continue to work in the California Native Garden.
- A local girl scout troop learned about California natives and local ecology when they toured the California Native Garden.
- The Environmental Awareness club is off and running this semester with lots of great activities planned, including a tour of a geothermal plant.

Fashion and Fashion Design Malia Hill reports:

- **January 14th** - Diane McGroarty, Michelle Craner and Linda Gomez attended the California Community College Family and Consumer Sciences Fashion Professional Development Workshop, " Behind the Scenes Tour of Patagonia" on January 14, 2011. Patagonia's Mission Statement: Build the best product, cause no unnecessary harm, and use business to inspire and implement solutions to the environmental crisis. We were able to view their on-site fabric lab/testing, product development and design departments, graphic arts, and finish up with a roundtable workshop discussion with Patagonia's key players.
- **January 29th** - Saddleback College Fashion Club had a mixer with High School Fashion Clubs in the area. There is a reconstruction of a gown contest that they can participate in and have their design displayed at the March 11th "Fashion a la Mode" event, the May 5th Annual Fashion Show, and in the City of Mission Viejo's Art's Alive display.
- **February 1st** - 2pm-3pm A Nordstrom rep spoke about internships and positions at Saddleback College in SSC 140.
- Pictures from the mixer last Saturday. The gowns were donated by the city of Mission Viejo and finished gowns will be displayed at the city of MV Arts Alive event in April and at our fashion show so viewers should stay tuned.



Graphics Karen Taylor reports:

- The Graphic Design department recently produced a **motion graphics promotional clip** to advertise an important event produced by the Associated Student Government. Utilizing Adobe After Effects, the featured software in Mr. Clafin's 289 Motion Graphics class, the one minute promo advertised the on-campus screening of "Inception", the 2010 Leonardo Di Caprio hit film. The promotional clip was aired repeatedly over the holiday weekend on Channel 39, Saddleback's cable access channel. Regarding the promotional clip, Audra DiPadova - director of Student Development - stated, "Wow! We love it!! You guys are the best!"

- Derrick Zuelner, a recent student in Mr. Claflin's Motion Graphics class, is using his new-found After Effects skills to produce promotional clips for his employer, South Shores Church. Derrick is currently creating a series of animated biographies of Biblical authors that are being featured in a new teaching series. The first biography features Moses, and can be viewed at this web address - <http://vimeo.com/17308100>
- Nick Bonano, a former Saddleback Graphic Design student now working at a design and print firm, recently wrote to express his gratitude for the excellent quality of training he received in the Graphic Design program. Nick, who later transferred to Cal State Long Beach and graduated with a Bachelors of Fine Arts Degree in Graphic Design, wrote to say, "If it hadn't been for the awesome design classes at Saddleback, I might not have started my design career on such a good note. Thanks for helping a former student get somewhere cool!" The adjacent image is a self-portrait Nick created in the GD 144 Typography class during the 2008 Spring semester.
- Graphic design student David Kong has recently finished his internship with South Shores Church, and has been accepted as a transfer student to Laguna Beach School of Art on a scholarship.

Renatta Ballo reports:

- I wanted to share a link to the interview that I have organized last week for my online students. Feel free to pass it on instructors and students interested in games and animation:
<http://artinstituteofpittsburgh.na4.acrobat.com/p88461790/>
- We were hosting Bruno Velazquez who works with my husband on God of War. Bruno had a bunch of great tips and personal observations to share with students. He talked about the creative process and his work in Santa Monica studio as well as the importance of solid drawing skills, the principles of animation; and character design; all the good stuff. I thought I'd pass it along.

Horticulture No report:

Interior Design Arlene Thomas reports:

- The Interior Design program is off to a great start for spring.....lots of new students interested in pursuing a career in Interior Design!



- A creative group of **Interior Design Club** members have designed and will, once again, assemble floral arrangements for the annual fundraising **Saddleback Foundation Gala** event to be held in the gym on Saturday, February 5th.
- A **“Meet & Greet” Interior Design Club** meeting is planned for **Valentine’s Day**. It should be a fun time for new Design Club members to get to know about our program and meet new friends.



- The annual **ASID** (American Society of Interior Designers) / **OC Chapter Student Career Day** has been specifically planned for students on Friday, February 4th from 9am to 4pm at **Laguna Design Center** for a full day of portfolio reviews during a light breakfast, a keynote speaker talking about “Tools, Tips and Tactics: Finding a Job in a Tough Market”, showroom tours, lunch and one-on-one roundtable discussions with a variety of specialty designers.

Marine Science Technology No report:

Rapid Digital Manufacturing Ben Dolan reports:

- Ed Tackett and I went to the 24th Annual Irvine Valley College Astounding Inventions Competition on Saturday which had something like 400+ K-8 students with their parents . We manned a booth and let the students explore a ton of parts we brought and watch a new machine Tom Smith assembled print out 3D helices.
- Ed and I both applied for major research instrumentation grants through the National Science Foundation. His was to acquire a machine that sinters metal to make 3D parts, and one that is able to print in digital materials (plastics and rubbers simultaneously). Mine was aimed toward non-contact shape verification and focused around an industrial ct machine, a laser based arm, a white light scanner, and an ultra portable laser scanner.

Don E. Taylor, Dean
 Advanced Technology and Applied Science
 949-582-4311
 Fax 949-347-9004