

ROP'S DESIGNING STUDENTS

CAD Students Design City Plans

The ROP CAD (Computer Aided Design) students in Mike Bruggeman's class at Chico High School are designing for real life. The students use state of the art architectural software with three dimensional capabilities to design and engineer buildings and mechanical parts requested by business partners. As part of a community service project, Wendy Solis and Jacob Winslow were assigned to work on a remodel design to transform a storage building at the Chico Police Station into a modern training and fitness center. In October, 6 teams competed to design a skateboard rack for Chico High School. The winning team's design will be fabricated by the ROP Ag Equipment Fabrication class and installed on campus. At the request of the City of Chico, students created several standardized garage and shed designs for public use. The goal is to help residents reduce the cost and time involved in designing a structure that meets building codes. The approved plans are available from Mike Bruggeman for a nominal fee that supports the ROP class. Dylan Velasquez, who worked on those plans, is now working on a storage shed for a local apartment complex. The ROP CAD students are thrilled to see their designs come to life. ROP is proud of how this class is meeting the "to provide high quality job training" piece of the ROP mission.



Captain Lori MacPhail, Sgt. Dan Fonseca and ROP students Wendy Solis and Jacob Winslow review plans at the Chico Police Station

Diversified Occupations Students' Cultivation Designs

Paul Olson's Diversified Occupations class at Las Plumas High School has designed a system that's grown over six-thousand trees in the last four years. The trees are grown from seeds gathered by students and the seedlings are cultivated for a year in the class nursery. After maintaining the trees for a year, students sell their crop to local habitat restoration agencies. It all started with growing oak trees for River Partners to plant along the Bear, Feather and other rivers. Now the class sells trees to private land owners, Western Shasta County Resource Conservation District and the California Department of Water Resources. Mr. Olson says that developing and running a native plant nursery has provided many opportunities for his students. Opportunities include working with biologists and habitat restoration specialists and studying units in biology and horticultural practices. Students calculate soil and space requirements, estimate seedling survival rates and use web based resources, journal articles and text books to research related topics. The class also practices communication skills with a diverse group of professionals and agencies. This project reinforces the development of teamwork skills, positive social interactions and setting priorities. Over the years, the students have been given the opportunity to plant some

ROP Fashion Design Students make Little Dresses for Africa

Anita Homesley's new ROP Fashion Design class at Chico High School involves students in many meaningful projects. Before touching a sewing machine, students study the elements of design, famous fashion designers, cultural influences, fabrics and trends. Once that's done, students move on to garment construction. With an emphasis on service learning, the students selected a project making dresses that will be distributed by a charitable organization to little girls in Africa. The students transformed donated fabric into one of a kind "designer" dresses. In a second project, the students collaborated with a severely handicapped special education class. The Fashion students sewed contoured neck wraps and eye masks to be filled with corn husks and lavender. The classes worked together to fill the neck and eye products and had a great time working side by side. The products were delivered to "The Little Red Hen" (a store that specializes in helping special needs workers). The items proved "hot" and flew off the shelves. The store asked for more! Two students competed in this year's FHA HERO competition and both took home the gold. Lor Vang won in garment construction and Claudia Randall for her garment design project. Look out fashion world, here they come!



Gina Castro and Shyanne Hall with their "Little Dresses"

2010 ROP Calendar of Events

ROP Spring Staff Meeting: May 19

ROP Adult Graduation: May 25

Silver Dollar Fair: May 27-31

Teacher Checkout: May 27-June 17

of the trees themselves. Last year they helped plant River Partners "Millionth Tree". Mr. Olson likes to point out that his students have the satisfaction of planting the "forests of the future".

The ROP & Habitat for Humanity Partnership



Neal Bentley and Andre Williams grouting tile in a new Habitat for Humanity office

Jerry Joiner's ROP Building Construction class at Pleasant Valley High School is lending Habitat for Humanity a hand and in return is learning many valuable skills. Since the start of the school year, the students have been working on Habitat for Humanity's new office and ReStore facility on Meyers Street in Chico. ReStore sells donated used building materials and appliances to the public. After helping to organize the

inventory, the students began work on the offices and bathrooms. The students have participated in framing, sheetrocking, placing molding, painting, wiring and tiling. Student Naish Gerrie (Fair View High School) says that he loves the hands on activities, especially the tiling. Joiner expects the students to start "their" house in the new Chico Habitat subdivision mid-November. "We are just helping to organize the

ture and permits." Joiner is pleased that his students will get experience in Green Construction as this is the first subdivision in Chico to build LEED Certified homes. Jacob Shippen (Pleasant Valley High School) says that he took the class because he is considering construction as a possible career. The partnership between Habitat for Humanity and ROP will certainly do just that for Jacob and all the

Environmental Technology Students Study Mount Lassen

Last September, Robert Kuintzle's ROP Environmental Technology class at Paradise High School went to the Lassen Volcanic National Park to study the ecology and geology of the park. The thirteen students learned about Mt. Lassen's volcanic geology and eruption history. During the trip, the students also learned to identify ten constellations, hiked over four miles, visited a museum, monitored the weather, described five distinctive ecosystems, observed wildlife and completed an

orienting course using a compass. The students planned and organized the equipment, food and camping gear and picked chore assignments using a WIKI on the internet. The ROP Environmental Technology class is a capstone for the Paradise High School Green Academy. In the class, students learn to assess their environment in a variety of ways including analyzing air, water and soil samples. Students apply ecological and chemistry principles to stud-

ies of water conservation, pollution and hazardous waste management and gain hands-on experience through job shadowing and internships in environmentally related occupations.



Soroptimists Send Chef Prep Students Shopping



Evangeline, Theresa, Luis, Sierra and Tony with their new equipment

Cat Hooper's ROP Chef Prep/ Restaurant Occupations students at Fair View High School went on a shopping spree courtesy of the Bidwell Rancho Soroptimist International club of Chico. Last fall, Ms. Hooper wrote letters to various organizations requesting donations for Fair View's Thanksgiving Festival. The Soroptimists responded by inviting Ms. Hooper to speak about her class at their meeting. Ms. Hooper described the class and her goals for the students. She was asked questions about the facility

and equipment. A week later, the club announced that they were going to donate \$2,500 to the class for anything they wanted. The class just happens to maintain a wish list, so making a shopping list was easy. They pulled out the wish list and as a group decided what to buy. That list included a roaster oven, Kitchen Aid mixers, Cuisinart food processors, knives, rolling pins and other essential tools. Ms. Hooper and her class are having great fun using their new equipment. Thank you Soroptimists International of Bidwell Rancho!

ROP WINNERS

Skills USA Medalists

The Skills USA Region 4 competition was held Saturday, February 6, 2010 at the Universal Technical Institute in Sacramento. ROP Welding Fabrication students took home gold and silver medals. Gold and silver medalists have the opportunity to compete at the state competition.

Las Plumas High School: Mike Morris, Advisor

- Aaron Bowen, Gold Medal, Fabrication Team
- James Lopez, Gold Medal, Fabrication Team
- Taren Whitmire, Gold Medal, Fabrication Team
- Kendall Cameron, Gold Medal, Combination Welding
- Andrew Dennis, Gold Medal, TIG Welding
- Justin Franklin, Gold Medal, Oxy Fuel Welding
- Shane McGibbon, Gold Medal, MIG Welding
- Michael Nye, Gold Medal, MIG Welding
- Chad Pickering, Silver Medal, MIG Welding

Pleasant Valley High School: Jerry Joiner, Advisor

- Andrew Cessna, Gold Medal, Combination Welding
- Sheldon Auer, Gold Medal, Welding, Shielded Metal Arc
- Kyle Jennings, Gold Medal, Welding, Shielded Metal Arc
- Jesse Roe, Gold Medal, Welding, Shielded Metal Arc
- Cody Gubbels, Gold Medal, Welding, Gas Metal Arc
- Brad Coupé*, Gold Medal, Welding, Gas Metal Arc

**Special recognition goes out to Brad Coupe for winning gold at the state competition in San Diego in April. This qualifies him to compete at Nationals in Kansas City, KS in June. Way to go Brad!*



Tarin Whitmire



Jerry Joiner & Brad Coupé

FHA-Hero Medalists

On February 20, 2010 FHA-HERO held a regional Competitive Recognition Event. The competitors must follow a vast set of rules in order to successfully complete the project.

Pleasant Valley High School: Priscilla Burns, Advisor

- Tanner Hord, Silver Medal, Commercial Food Preparation
- Joseph Franke, Gold Medal, Culinary Arts Display Patisserie
- Soua Vang, Gold Medal, December Wedding Cakes

Culinary Arts II Students Place 2nd in State

In March, the Pleasant Valley High School ROP Culinary Arts II class was invited to compete against the toughest programs in the state at the Prostart Invitational. Culinary instructor Priscilla Burns, took two teams to the competition in Sacramento. The Gourmet Cooking team worked for weeks to develop the best menu, recipes, presentation and preparation times. The team consisted of captain Tanner Hord, Ashley Buskirk, Kalika Fulcher and Joe Franke. The Management team also spent weeks developing a restaurant concept, layout, design, staffing, ad campaign and menu and costing proposal with a PowerPoint presentation. That team was comprised of Devante Hester, Kalika Fulcher, Ashley Buskirk and Hillary Kerr. The hard work paid off when the Management Team won Second Place and \$2,000 each toward the CSU Pomona Hospitality Program. Congratulations Culinary students!

Hillary Kerr, Ashley Buskirk, Devante Hester, Dick Boyd*, Kalika Fulcher

**Dick Boyd is the CEO and owner of Boyd's Coffee the primary underwriter for the California Prostart Invitational*



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