



The 4-H Green Sheets

Santa Cruz County 4-H Youth Development Program

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August 2009

Volunteer Training and Research Opportunity on new Veterinary Science Curriculum

Adult volunteers are invited to participate in a UC Davis research project where they will engage in *Lesson Study* training on the new California 4-H Veterinary Science curriculum.

Details:

- ✦ Volunteers will meet as a group every 2-3 weeks for 5-6 months.
- ✦ Volunteers will be asked to complete two surveys – one on inquiry-based teaching strategies and another on veterinary science curriculum content.

Volunteers will also participate in at least one focus group interview (a maximum of two) that will explore their thoughts on the lesson study process as it relates to their role as a 4-H volunteer.

What is Lesson Study?

The Lesson study approach takes place in increments over extended periods of time and uses real settings (4-H project work) as their basis. The lesson study process will involve teams of volunteers who will formulate goals, collaborate to improve project meetings, and explore issues around teaching and learning.

What will the study do?

The purpose of this study is to examine the possible effect the lesson study model of volunteer development has on the knowledge and skills of 4-H volunteers who lead veterinary science curriculum with 4-H youth.

What will volunteers gain if they participate?

- ✦ An opportunity to network with other 4-H Volunteers
 - ✦ Free Veterinary Science Curriculum
 - ✦ New teaching skills and techniques
 - ✦ Free Training
 - ✦ Animal Stethoscopes
- Retail Gift Card

How do I sign up?

Contact Lynn Schmitt-McQuitty by September 15th at:

831-763-8026

lschmittmcquitty@ucdavis.edu



Leader Information:

Funding for Volunteers

4-H club support funding is available through the **Bob and Pat Dean Memorial Legacy Fund** for California 4-H members or volunteers. Funding is intended for activities that meet the following criteria: 1) enable youth to develop citizenship, leadership, or life skills; 2) support the development of new and innovative 4-H projects benefiting 4-H members; 3) increase public awareness of the 4-H Youth Development Program; 4) expand the reach of the 4-H Youth Development Program (new youth, new audiences); 5) provide continuing benefits to the applicant's local 4-H Club or project.

Application information is available at:

<http://www.ca4h.org/citizenship/funding/>

Applications are due **September 15, 2009**

Youth Garden Grants offers awards for schools and community organizations with child-centered garden programs. The National Garden Association helps youth learn vital life lessons from working in gardens and habitats. Priority is given to programs that emphasize: nutrition or plant-to-food connections; environmental awareness/education; entrepreneurship; and the social aspects of gardening. Applicants must plan to garden with at least 15 children between the ages of 3 and 18 years. Applications are due by **November 2, 2009**. For more information, please visit <http://www.kidsgardening.com/YGG.asp>

Youth Development & Research

The research brief; **Exploring the Links between Family Strengths and Adolescent Outcomes**, discusses findings of family strengths as associated with better outcomes for adolescents in families with lower and higher incomes.

Visit http://www.childtrends.org/Files//Child_Trends_2009_04_16_RB_FamilyStrengths.pdf to read the full brief.

Fair Information

State Fair Outreach Opportunity

Help Staff 4-H Booth at California State Fair
Once again The California 4-H Foundation is recruiting 4-H members and leaders to help staff the 4-H booth at the California State Fair (**August 21 - September 7**). This is a great opportunity for 4-H members and volunteers to share with the public their 4-H experiences, as well as, the wide range of projects and leadership opportunities that are available to youth through participation in the California 4-H Youth Development Program. Small 4-H projects are welcome to accompany you (robots, rabbits, arts/crafts, service dogs, etc.) to give the public a "feel" for what types of projects are available. Examples of service projects also make for good stories to share with the public. Please feel free to bring photo albums or record books with you to show anyone who may be interested in learning even more about your 4-H project. Parking passes and fair admission tickets will be provided to 4-H members and adults who sign up for a 2-hour shift. A maximum of 4 youth and 2 adults per shift will be allowed. Further, each shift must have an adult or older teen in the booth at all times. To sign-up, please visit <http://www.ca4h.org/wrp/statefair/>.

State 4-H Leaders' Forum 2009

November 6-8, 2009 at Asilomar Conference Center, Pacific Grove. Some of the best, most practical learning for 4-H volunteers happens there! You'll come home loaded with ideas and activities and the enthusiasm to implement them. Forum fee is \$45.00 and meals are price separately (please see registration form). Registration & fee's are due by September 6th, 2009.

More information is available at:

<http://www.ca4h.org/conference/slf/>





Member Opportunities:

4-H Grants

California 4-H Service Learning Grants

Do you need money to carry out your service project? Each year the California State 4-H Office provides funds to members and volunteer leaders for service-learning projects through the **California 4-H Service Learning RFP**. Groups can request up to \$5,000 to fund activities that address significant environmental, economic and/or social issues affecting California's youth, families, and communities. The Service Learning RFP application and information is available on the web at: <http://www.ca4h.org/citizenship/funding/index.asp>.

Examples of past projects are also listed. The application is due **September 15, 2009**.

Calling all Robotics Projects!

National 4-H Council has created a partnership with **FIRST (For Inspiration and Recognition of Science and Technology)** to reach new youth across the nation and expand existing 4-H robotics programs. FIRST organizes several competitions inspiring K-12 youth into STEM education and career exploration: [FIRST Robotics Competition](#) (FRC) and [FIRST Tech Challenge](#) (FTC) for high-school students, [FIRST LEGO® League](#) (FLL) for children 9-14 years old, and [Junior FIRST LEGO® League](#) (JFLL) for 6 to 9 year-olds.

Read more about the 4-H and FIRST partnership at http://www.ca4h.org/SET/documents/FIRST_4-H_Partnership_release_FINAL.pdf Teams typically being work in August and September with events held in Winter and Spring. For Northern California 4-H Clubs interested in participating, contact Playing At Learning, <http://www.playingatlearning.org/> or (510) 656-8664 or info@playingatlearning.org. [See county map](#). 4-H Clubs in other areas should check out the FIRST website for more information at <http://www.usfirst.org>

Leadership Opportunities

National 4-H Conference 2010

The **2010 National 4-H Conference** will be held **March 20-27, 2010** at the National 4-H Center in Chevy Chase, MD. The National 4-H Conference is the Secretary of Agriculture's premier youth development opportunity to engage youth in developing recommendations for the 4-H Youth Development Program. 4-H members, volunteers and staff may apply to join the California delegation by **September 30, 2009**. More information is available at <http://www.ca4h.org/conference/n4hc/index.asp>.

Join CA Computer Corp

Do you have experience and interest in computers, the Internet, digital photography, GPS/GIS, or other tech area? Join the **2009 California 4-H Computer Corps!** The 4-H Computer Corps increases the use and awareness of computer technology in the California 4-H Youth Development Program. 4-H members, age 15-19, 4-H volunteers and staff may apply by **September 30, 2009**. More information is available at <http://ca4h.org/wrp/compcorps/>.

Contests

For Youth - Zine-a-thon Contest: Tell an entire science story in art and text on a single 8.5 x 11 sheet of paper folded to make a mini-magaZINE. You can zine about anything in science -- from pigeons to earthquakes to neutrinos as long as they are aligned with one of the Year of Science themes. One top zine contributor will receive a \$500 grand prize and two will receive \$250. Zines are due November 1, 2009. More information is available at: <http://www.yearofscience2009.org/about/zine-contest.html>



4-H News & Resources



Projects

Calling all 4-H Horse Projects!

Mark your calendars for the **State 4-H Equine Field Day at UC Davis for October 3 or 10**. It will be a partnership with the UCD Animal Science department and UCD Horse Day. More details to follow at <http://ca4h.org/projresource/horse/>.

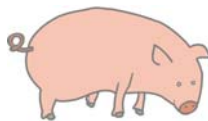
Swine News

A NEW METHOD OF SWINE IDENTIFICATION BY EAR VEIN PATTERN IMAGING

By: Ryan Harrell, Dr. Clint Rusk, Dr. Brian Richert

Ear notching has been the gold standard of identification within the swine industry for several years. This study imaged the auricular vein patterns of 96 pigs using the OptiReader? Device and the Veinlite LED. Eighty-eight of the 96 pigs imaged were matched for positive identification when comparing images from the initial and re-imaging scans. No significant difference was determined between crossbred, Hampshire and Yorkshire breeds of swine. There was no significant difference in the researcher's ability to match barrows and gilts using auricular vein patterns. A high percentage of hogs with white ears (96.7%) were matched using auricular vein patterns, than those with black ears (87.0%). Each pig has a distinct auricular vein pattern that can be used for identification. In swine, imaging the auricular vein pattern can be a viable means of identification rather than utilizing ear notching alone.

Full Article can be found at:
www.thejudgingconnection.com



From Our Members

My State 4-H Field Day Experience

My name is Autumn Bushard and I am from Felton 4-H in Santa Cruz County. This is my first year of 4-H and I think it is neat that you learn a new skill and you receive knowledge and experience. The best experience that I had so far is when I went to the State Presentation Day at the University of California at Davis campus on May 24th, 2009. There were approximately 1000 4-Hers there from all over California giving presentations and participating in many activities. They had a State Judging Competition, a Horticulture Test, Scavenger Hunt and Fashion Revue. It was exciting to see all the 4-Hers giving presentations. Our club presentation took a gold medal. The few presentations we saw were a lot fun to watch.

There were different leadership opportunities through 4-H like California Focus, a 4-H government youth conference. They also had a Parent Advisor and Project Leader safety booth. They had a booth on water conservation in California and how important it is for our oceans, lakes, rivers, and water sheds. There was a booth entitled "Why Be an Entomologist." In that booth, there were a lot of insects displayed and being handled like live Walking Sticks and Tarantula skins. The National Junior Horticulture Association organized and gave the Horticulture test.

I participated in the Judging Competition, scored in the top 20% and got my first pin for my hat. Next year, my goal is to go to State and receive a gold medal for a presentation. I also want to score higher in the Horticulture Test. At a future State event I think that we should have a State Archery Tournament. If they could have a sewing fashion revue couldn't we have a knitting contest? It was a really fun day and I enjoyed it.

-Autumn Bushard
Felton 4-H Club



4-H Science, Engineering, and Technology Abilities (also known as science processes) are one of the critical components of 4-H SET projects and activities. Learning science, engineering and technology is not about memorization. When youth are encouraged to use science processes to discover knowledge themselves, youth become engaged and motivated to learn SET content. Both science content and abilities (processes) are critical to increase science literacy. The National Science Education Standards call for the learning of unifying abilities as these provide youth with powerful ideas to help them understand the natural world. Emphasis has shifted from being solely on "the content to be learned" to "how students learn the content" and "how the content is taught." The 4-H SET program outlines **thirty important SET processes** and refers to them as 4-H SET Abilities. These thirty 4-H SET Abilities include distinct and measurable behaviors and are critical elements of experiential learning and inquiry. For example - A young person may *state a problem* about water quality (content), *plan an investigation*, *collect data*, *analyze the data*, *graph results*, *summarize*, *communicate to others*, and then work on implementing a solution. Through these steps, content is learned by engaging youth in the process of science, engineering and technology.

More information is available at <http://www.ca4h.org/SET/documents/CA4HSET-Abilities.pdf>

UPCOMING TRAININGS

In our amazing **Garden Classroom on the UC Santa Cruz campus**, or at your school or garden site, Life Lab Science Program's professional trainers bring inspiration to educators interested in science, nutrition, and garden-based learning. Upcoming workshops include: Discovering the Garden in Early Childhood Education - Aug 28, 2009, deadline, Aug 14. \$150; Plant It, Grow It, Eat It! - Sept 17, 2009, deadline, Sept 3. \$150; The Growing Classroom - Oct 8-9, 2009, deadline, Sept 24. \$300. More information is available at <http://www.lifelab.org/workshops.php>

EVENTS & ACTIVITIES

4-H Clubs, Camps, and After School programs are preparing to engage 4-H and other youth in the **2009 4-H National Youth Science Day on October 7, 2009!** You can now pre-order your "Biofuel Blast" National Science Experiment kits! The price of the kits are \$20 each, but - thanks to in-kind donations from Fleischmann's Yeast and Karo Corn Syrup - we are pleased to offer the first 500 kits at \$15!

https://www.4-h.org/NYSD/the_experiment_mall_kit.php



Test your science skills in the 2009 4-H national Youth Science Experiment - "Biofuel Blast" - where youth can engage in the important environmental issues our global community faces together and the opportunity available for a greener tomorrow. As our nation grapples with important environmental issues such as global warming, sustainability and energy independence, "biofuels" - sources of energy obtained from recently harvested plant materials - are at the forefront of the discussion of alternative energy sources. At 4-H, we encourage the youth of today to become our nation's future leaders. And, as such, it's vital for youth to understand and engage in the important environmental issues our global community faces together, and the opportunities available for a greener tomorrow.

More information is available at <http://www.ca4h.org/SET/>

Council Officers
 President: Dorothy Chittenden-Williams
 Vice President: Greta Steinbruner
 Secretary: Robin Turnquist
 Treasurer: Randy Turnquist
 The Green Sheets is the newsletter of the University of California Cooperative Extension Santa Cruz County 4-H Youth Development Program.
 Deadline for newsletter articles is the third Thursday of every month

4-H Youth Development Staff
 Lynn Schmitt-McQuitty: Youth Development Advisor
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 Stigmme Lomana: 4-H Program Representative
 slomana@ucdavis.edu
Hours:
 Tuesday: 7:00am-12:00pm
 Wednesday: 7:00am-12:00pm
 Friday: 1:00pm-6:00pm

<p>August 2009</p> <p>6-9 State Leadership Conference-UC Davis 8 All entry forms due for Santa Cruz Co. Fair 12-16 Monterey County Fair 16 How To Build a Feature Booth 21 County Council Meeting 21 Newsletter articles due</p>	<p>September 2009</p> <p>1 Labor Day Holiday - Office Closed State Leader's Forum Early/room Registration Due 5-6 S. C. County Fair Booth Work Days 13 Feature Booth Judging-S. C. County Fair 14 (10:30am Harvest Building) 17 Newsletter articles due</p>
<p>S. C. Fair Office Monterey 4pm Harvest Building, S. C. Fairgrounds Aptos Grange, Aptos To 4-H Office</p>	<p>Santa Cruz County Fair To 4-H Office</p>



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Important Information for
4-H Members, Leaders and Families.
PLEASE READ!



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