



University of Nevada  
Cooperative Extension

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# Clover CLIPS



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University of Nevada Cooperative Extension • Western Area

## 4-H Programs are Planning for the Nation's Future

Science, technology, Engineering and applied math (STEM) are the wave of the future. Experts credit technological innovation with almost half of U.S. economic growth over the past 50 years, and nearly all of the 30 fastest-growing occupations in the next decade will require at least some background in STEM.

The federal study *Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future* (Washington, DC: The National Academies Press, 2007) showed that American students are not taking enough interest in STEM careers to maintain our nation's ability to lead innovation in the future. 4-H is working to reverse that trend with its multifaceted programming; Robotics, Aerospace, Alternative Energy, Engineering, Environmental Science, Agri-science and Veterinary Science. These are just some of the programs that 4-H youth participate in everyday and gain new skills that make a difference in our communities. 4-H's hands-on programs empower our youth and provide them opportunities to grow, learn, and become confident young people.

To address the nation's demand for science and technology professionals, 4-H made a commitment of engaging one million new young people in science programs by the end of 2013. Because of its research-based programming and projects like the yearly National 4-H Experiment started in 2008, 4-H met and surpassed its bold goal. 4-H programs provide our young people first-hand experiences utilizing alternative energy, conserving energy and learning how to limit humanity's impact on our environment. With

this knowledge, 4-Hers across the country interact with their community's decision makers and help create environmentally focused policy.

4-H's 2013 National Science Experiment gave young people a chance to interact with their communities parks and open space designers through its Map and Apps experiment. Participants used GIS formatting and GPS units to plan and specify designs for new park land and amenities within that park. 4-Hers could then approach their city planners with real-life designs that could be used in future parks and open space.

The National 4-H Experiment has also featured the ever-popular robotics. The experiment was done in 2012 and was quite successful. 4-H now has a robotics program that is inspiring young people and creating an early interest in engineering and technology. The robotics program was part of the project development that helped 4-H put one million

new hands on science projects nationally and help address the declining trend in our nation's STEM based workforce. 4-H Robotics programming is delivered through 4-H clubs, camps, school enrichment and after school programs nationwide. Since the program's inception, numerous 4-H Robotics clubs have already launched with more coming on-line all the time. To find out how you can start your own Robotics club, please contact your local 4-H Extension office.

Research from the Tufts University on Positive Youth Development shows that youth who participate in 4-H are more likely to pursue careers in STEM



*Continued on page 2*



## Nevada Sesquicentennial Fair NV150

Come one, come all to the NV 150 fair held July 30- August 3, to celebrate Nevada's approaching 150<sup>th</sup> birthday! This five day event held at beautiful Fuji Park in Carson City will feature agriculture displays, a carnival and evening entertainment.

4-H and FFA livestock projects will also be there with a chance for the members to compete and auction their market project. There is a horse show, plus shows for dairy cows, dairy goats, dogs and a small animals.

Also available will be numerous static exhibits including sewing, baking, and crafts. Most importantly there is a showcase of Nevada agriculture, mining and culture, past and present.

For more information simply log on to NV150Fair.com. See you at the Fair!



## 4-H Science

*(Continued from page 1)*

related fields. Of course many of our young people are enrolled in traditional 4-H livestock and agriculture clubs.

These clubs are actually leading the way for new technologies and science approaches in the AgriScience industry. Although agriculture has traditionally been defined as simply the production of plants and animals, today's 4-H uses science and technology to include new areas of research and investigation. 4-H AgriScience programming fuses the emerging fields of biotechnology and business/economics with the agriculture industry through hands-on experiential learning activities.

Whether our young people are engaged in 4-H through livestock, agriculture, robotics, dogs or horses, we can be assured that they are involved with research-based programming that is using the latest in science, engineering, technology and math in an experiential setting that will help them meet the increasing science demands of tomorrow's workforce.

*Information compiled from 4-H.org  
and National Academies Press*

## Discover Copper in Spanish Springs

The Copper Show, the first in the three-show Strike It Rich Summer Series 4-H Horse Shows, is July 20 at the Ironwood Events Center, 5600 Whiskey Springs Road on the Pyramid Lake Highway. It is hosted by Spanish Springs Trailblazers 4-H Horse Club.

The show will have classes offered for 4-H recognized age groups of seniors, intermediates and juniors; and also classes for the novice/beginner rider. There will be exhibition rides in all categories for 'cloverbuds' – those riders between the ages of 5 and 8. 4-H members in neighboring California counties are also invited to compete.



The points earned at this show are added to the points for the Silver Show (Lemmon Valley Arena) in August and the Gold Show (Rockin' LJ Ranch) in September. Twelve High Point Buckles will be awarded at the end of the series with points tabulated from all three shows for each discipline and for each age group plus novice rider competitors.

The Copper Show will feature arena prizes for exhibitors, a fifty-fifty jackpot raffle and raffle tickets for sale for a beautiful western silver-plated bridle and reins. The drawing for the silver bridle will also be at the conclusion of the Gold Show.

Sponsors for awards and prizes are encouraged to contact Washoe County 4-H club members or leaders or call Sarah Chvilicek at the Washoe County 4-H office, 775-336-0236.

Nevada State 4-H Horse Show Rules will apply. Exhibitors are required to follow the Nevada/California 4-H Dress Code. Helmets are required of all youth horse handlers and exhibitors.

Class lists and entry forms are available now on the Washoe County 4-H Calendar (<http://www.unce.unr.edu/4H/counties/washoe/>) and [www.facebook.com/washoecounty4h](http://www.facebook.com/washoecounty4h).

For more information, contact Sam Mitchell at 775-336-0259 or email [mitchells@unce.unr.edu](mailto:mitchells@unce.unr.edu).

## Shooting Sports Leader Training

County offices in Nevada recently received a Nevada Shooting Sports Certified Instructor master list. 4-H Shooting Sports leaders should check with the Extension staff in their county to be certain that they are listed correctly.

A tentative date has been set for the Fall 4-H Shooting Sports Level 1 Leader training, October 24-26 in Pahrump. Registration forms with the confirmed date will come out in August.

Anyone interested in the training should contact the 4-H office in their county.

## Washoe County 4-H Looking for a Few Good. . . Ambassadors

Ever wanted to share your outstanding 4-H experience and have the opportunity to represent 4-H as an Ambassador? The purpose of the County 4-H Ambassador program is to recognize Washoe County 4-Hers who have achieved high standards of excellence in their project work, citizenship and leadership.

4-H Ambassadors are 4-H spokespersons to the public and are highly visible in the community. Becoming a 4-H Ambassador is a great opportunity to strengthen and share knowledge and skills while inspiring others to be more involved. To “make the best, better!”



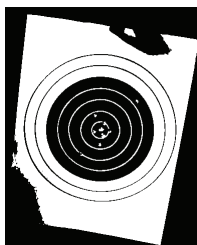
If you are between 12 and 19 years old (on January 1, 2014), are enthusiastic about 4-H and want to become more active in Washoe county 4-H programs, then becoming an Ambassador just might be for you. Washoe County 4-H Ambassadors also are given the opportunity to develop strong Youth/Adult partnerships as well as strengthening ties with other County Ambassadors.

Information about the how to become a Washoe County 4-H Ambassador will be available soon!

## National 4-H Shooting Sports Invitational

Now is the time for our Western Area 4-H Shooting Sports senior members to begin thinking about attending the 2015 National 4-H Shooting Sports Invitational. The event takes place June 21-26, 2015 in Grand Island, Nebraska.

Youth must be active in their county 4-H Shooting Sports club, 14 years of age by January 1 of the year of the event and no older than 19 as of that date in order to compete. Competitions are held in archery, shotgun, muzzleloader, air pistol, air rifle and .22 rifle. Competitors need to choose their discipline wisely as they are only allowed to shoot in that discipline at National once.



4-Hers who want to take on this challenge need to qualify with at blue ribbon at the 2014 State 4-H Shooting Sports Match in the discipline they want to shoot at National. For more information on National 4-H Shooting Sports Invitational go to [www.national4hshootingssports](http://www.national4hshootingssports) and check out National Invitational. Daily results for our Nevada shooters are found on the Facebook page at that site. Or call Sandy Wallin, 775-887-2252.

## State 4-H Shooting Sports Match

4-H Shooting Sports members should be on the look-out for 2014 Nevada 4-H Shooting Sports Match registration forms. Packets should be out to county 4-H staff by mid-July. Completed registration forms will be due to the State 4-H office by August 15.

This year the event is scheduled to take place September 13, in Douglas County at the Douglas County Shooting Range and Douglas County Fairgrounds. 4-Hers who want to participate in this competition need to be active members in their county 4-H Shooting Sports club and have qualified at their tri-county fun day or county qualifier.

For more information contact Sandy Wallin at 775-887-2252 or e-mail [wallins@unce.unr.edu](mailto:wallins@unce.unr.edu).

## Humboldt Co. 4-H Horse Show

All area riders are invited to the Humboldt County 4-H Horse Show, August 1-3, at the Humboldt County fairgrounds in Winnemucca. This is an open show, with Junior, Intermediate and Senior divisions; plus PeeWee/Leadline and 18+ Adult divisions.

There will be English, Western and Gymkhanna classes, a skillathon to test your knowledge of all things horse, and a vote for the weekend's best 4-H sportsman.

Entries are available on the Humboldt County 4-H Facebook page, or by contacting Sharon Barton at [bartons@unce.unr.edu](mailto:bartons@unce.unr.edu), 775-623-6304 or contact Show Manager Dawn Chistiansen at [scdkchc@gmail.com](mailto:scdkchc@gmail.com), 775-304-5671 (text too).

## Silver State Youth Livestock Show

For the third year in a row, the Silver State Youth Livestock Show and Expo, an event of the Lyon County Fair Board is providing an opportunity for Nevada youth to showcase their livestock and small animal projects. This important event will be held August 15-17 and is available to all Nevada 4-H and FFA youth exhibitors.

Entries for this event must be postmarked by August 1. Eligible projects include beef and dairy cattle, swine, sheep, dairy and meat goats, rabbits, covies, and poultry. There will be showmanship and an auction.

For more information and entry forms, go online to [ssyls.com](http://ssyls.com) or contact your county UNCE office.



## Western Area July Dates to Remember

**July 4** – Independence day

**July 13-19** – Western Area 4-H Camp

**July 20** – Strike It Rich Series 4-H Horse Show – Copper Show

**July 30– Aug. 3** – Nevada 150 Fair  
Carson City

## Your 4-H Mission Minute

4-H members in Alameda County California are taking steps to keep plastic out of the oceans. Eighty percent of pollution in the ocean comes from land pollution. Non-biodegradable plastics, like Polystyrene (a type of plastic used in food packaging, such as clear plastic cups and containers) and the foamed version of polystyrene (commonly known as Styrofoam™), are the main sources of this plastic pollution. Californians use 165,000 tons of polystyrene each year for packaging food, with few recycling options available, and polystyrene accounts for 15 percent of the total volume of litter recovered from storm drains in the state.

"Green Teens" and 4-H'ers Clay Ferguson, Chance Boreczky, Jack Boreczky, and Sarah Rivers are educating local restaurants, consumers, and public officials in their hometown of San Leandro, California about the plastic pollution problem, and offering solutions by showing them alternative products they can use. The teens are planning a local symposium where they will help restaurant and store owners learn about compostable alternatives to plastic containers, including a cost analysis of changing to bio-degradable products.

*-Information from 4-H.org*

**JOIN** | THE REVOLUTION   
OF RESPONSIBILITY

**4-H is a program of University of Nevada Cooperative Extension**

### WESTERN AREA OFFICES

**Carson City/  
Storey County**  
(775) 887-2252  
2621 Northgate Lane  
Suite 15  
Carson City, NV 89701

**Douglas County**  
(775) 782-9960  
1325 Waterloo  
Gardnerville, NV 89410  
PO Box 338  
Minden, NV 89423-0338

**Washoe County**  
(775) 784-4848  
4955 Energy Way  
Reno, NV 89502

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Unless stated differently, all meetings are held at your local Cooperative Extension office.

# 4-H Events Calendar July 2014



DATE	WESTERN AREA	CARSON CITY/STOREY COUNTY	DOUGLAS COUNTY	WASHOE COUNTY
1	State 4-H Shooting Sports Match registrations out			
2	Camp Staff Meeting, Reno office, 6 p.m.	Carson Cluckers, 6:30-8 p.m. Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8 p.m.		
3		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
4	<b>INDEPENDENCE DAY HOLIDAY - OFFICES CLOSED</b>			
5		Comstock Hot Shots, Ice House Range, 9 a.m.-3 p.m.		
6		Comstock Hot Shots, Ice House Range, 9 a.m.-3 p.m.		
7		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
8				Horse Leaders Mtg, 6 p.m.
9-12			Bishop Tri County Fair	
10		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
11		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
12	Teen Counselors and Adult Chaperones in to camp, State 4-H Camp, 3 p.m.			
13-19	Western Area 4-H Summer Camp, State 4-H Camp Lake Tahoe			
14		CC/SC 4-H Council Mtg., 6:30-8 p.m.		
15		Carson Cluckers, 6:30 -8 p.m.		Livestock Leaders' Mtg., 6 p.m.
16				Small Animal Leaders' Mtg., 7 p.m.
17		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
20				Strike It Rich Summer Series Copper Show, Ironwood Events Center
21		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
25		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
28			Leaders' Council, 7 p.m.	
7/30 - 8/3	Sesquicentennial Fair (Nevada 150 Birthday Fair) Fuji Park & Carson City Fairgrounds, daily			



Independence Day, July 4



Western Area 4-H Summer Camp  
July 13-19

Unless stated differently, all meetings are held at your local Cooperative Extension office.

## Upcoming 4-H Events Calendar



DATE	WESTERN AREA	CARSON CITY/STOREY COUNTY	DOUGLAS COUNTY	WASHOE COUNTY
<b>August 2014</b>				
7/30 - 8/3	Sesquicentennial Fair (Nevada 150 Birthday Fair) Fuji Park & Carson City Fairgrounds, daily			
1	Silver State Livestock Show entry deadline			
4		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
5			Small Animals, 6:30 p.m.	
6		Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8 p.m.		
7		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
8		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
9		Storey County 4-H Shooting Sports Qualifier, Ice House Range, 8 a.m.-5 p.m.		
11		CC/SC 4-H Council Mtg., 6:30-8 p.m.		
12				Horse Leaders Mtg, 6 p.m.
13		Carson Cluckers, Fuji Exhibit hall, 6:30 -8 p.m.		
14		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
14-17	Silver State Livestock Show, Lyon County fairgrounds, Yerrington			
16	Horse Judging Contest, Rockin' LJ Arena, 8 a.m.			Horse Judging Contest, Rockin' LJ Arena, 8 a.m.
19		Carson Cluckers, 6:30 -8 p.m.		
20				Livestock Leaders' Mtg., 6 p.m. Small Animal Leaders' Mtg., 7 p.m.
21		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
22		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
24				Strike It Rich Summer Series Silver Show, Lemmon Valley Arena
25			Portfolio Workshop, 5:30 p.m. Leaders' Council, 7 p.m.	
28			Beyond Gardening End of Year Party, 4-H Office, 4:30 p.m.	
<b>September 2014</b>				
1	<b>LABOR DAY HOLIDAY - OFFICES CLOSED</b>			
3		Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8 p.m.		
4		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
5		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
9				Horse Leaders Mtg, 6 p.m.
11		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
13	State 4-H Shooting Match, Douglas County Range & Fairgrounds, 7 a.m.-10 p.m.			Strike It Rich Summer Series Gold Show, Rockin' LJ Arena, Washoe Valley
15		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
16		Carson Cluckers, 6:30-8 p.m.		
17				Livestock Leaders' Mtg., 6 p.m. Small Animal Leaders' Mtg., 7 p.m.
18		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
19		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
20	CABNR/UNCE Field Day, Main Station Farm			
22			Leaders' Council, 7 p.m.	
29			4-H Sign-up Night, Methodist Church, 6:30 p.m.	