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Clover CLIPS



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4-H Promotes STEM Science



The 4-H commitment to improving the science, engineering, technology and math (STEM) skills of America's youth is stronger now than ever before in the organization's 110-year history. Thanks to the determination and dedication of the entire organization, 4-H recently achieved a major goal of engaging more than one million youth in science programs.

This milestone was established in response to an alarming report published in 2006, *Rising Above the Gathering Storm*, that warned: "the danger exists that Americans may not know enough about science, technology, or mathematics to significantly contribute to, or fully benefit from, the knowledge-based society that is already taking shape around us."

Building on its successful history of hands-on science education, 4-H responded in a significant way to help reverse the trend. In 2007, 4-H partnered with the Noyce Foundation to develop a nationally recognized youth development approach to STEM in out-of-school time (OST).

The program goal was to engage one million new youth by 2013 in a dynamic process of discovery and exploration in OST STEM programs so they are prepared to meet the challenges of the twenty-first century. In order to do that, they built and have sustained a national infrastructure of OST STEM programs. The multi-faceted initiative was designed to provide life-changing experiences to youth. Guidelines were set to achieve the vision and goals of this multi-year project.

Using the campaign: "One Million New Scientists. One Million New Ideas."®[®], the plan was implemented to identify the best people and resources at the national, state and local levels for achieving the organization's goals.

A notable program that the 4-H team organized and implemented is the 4-H National Youth Science Day (NYSD). So far five national experiments incorporating a diverse scientific footprint, have successfully engaged youth in a variety of activities to teach them the fun of STEM. The annual national science experiments focused on alternative energy, water conservation and engineering a robot to address environmental issues. In 2012, nearly 9,000 4-H NYSD kits were distributed to support the

thousands of young people across the country who conducted the experiment simultaneously.

Those experiments have been conducted in Carson City, Douglas and Washoe counties each year. In Washoe County, 4-H has partnered with state and local business to conduct the experiments. In conjunction with the experiment on alternative energy for example, local youth also got a chance to see solar panel and wind turbine research at NV Energy.

Another aspect of the 4-H initiative are the 4-H Afterschool Programs at Title I schools in Washoe County. A variety of research-based science is being taught by community-based instructors in schools to interested students after the bell rings.

To measure the impact and effectiveness of the program, a comprehensive approach was developed to effectively track and evaluate the progress of the science initiative. The result: by 2012, 4-H succeeded in getting 1.33 million new youth engaged in 4-H Science-ready programs. (The multi-year program that helped make this goal possible is detailed in the report: 4-H Science Initiative: from Inception to Impact. A link to the full report is at www.4-H.org/youthstem.)

At the core of 4-H's work with young people is a commitment to high-quality positive youth development. This approach requires that young people have access to a long-term relationship with a caring adult, meaningful leadership experiences, and the opportunity to build skills. These factors result in competent, caring, connected, confident, young people of character who contribute to society.

That is why club leaders are so vital. They provide the learning opportunities and the consistency that is required by the experiential learning model. And with the importance of citizens well versed in science, engineering, technology and math to the future of the country, leaders willing to provide youth with the opportunity to learn these skills are more important than ever.

-Materials for this article taken in whole or in part from *4-H Science Initiative: from Inception to Impact Executive Summary April 2013* available at 4-H.org.

Send Kids to Camp Cosmos

All 4-H members ages 9 -12 (as of July 13, 2014) living in Carson City, Douglas, Storey and Washoe counties will be mailed an application for Western Area 4-H Camp during the first week of May. The dates for camp are July 13-19. The theme is *Camp Cosmos: the Possibilities are Infinite*.

This week-long overnight camp at the State 4-H Camp at Lake Tahoe is filled with fun and education including: swimming, kayaking, archery, camp fires, outdoor science activities and a chance to make new friends.



Camp fills quickly, so be sure to return your application soon. Make sure there is no missing information. Include the camp fee and shot record dates on the form.

Camp registration opens to non-members on May 15. Places are assigned on a first come, first served basis. Total enrollment is based on the number of Adult Chaperones available. Camp capacity is 128 youth.

Note: Wednesday, June 18, 6:30 p.m. is the Douglas County Camper/Parent Info Night. Campers and their parents will enjoy a fun evening with information and prizes, while learning about camp.

On Thursday, June 19, Carson City/Storey and Washoe Counties will have an interactive video meeting for all campers and their parents. For more information, call Sam Mitchell at 775-336-0259 or email mitchells@unce.unr.edu.

Elko Organizing for 4-H Congress

The Elko County 4-H office is coordinating the 2014 National 4-H Congress selection process and registration for Nevada. Applicants are required to submit an application packet that includes a resume, 4-H story, portfolio of accomplishments which include photos and samples of best work. There is also an IAV (video conference) interview. Please get applications to your county office by June 6, so they will reach the Elko office by the June 13 deadline. No late applications will be accepted.

National 4-H Congress is held in Atlanta, Georgia. It focuses on community service, leadership workshops, cultural awareness and a lot of fun activities. The focus of Congress has shifted from a national award program to a leadership and community service program. One of the recent chaperones felt that it was a life-changing experience for her as well as the youth delegates.

Event organizers are still finishing up the website. Application instructions are available at your county office, or by contacting Jill Tingey at 775-738-1721.

Discover Your Future Coming Soon

Discover Your Future is tying up the last details for a terrific program this June 22-25. Registration forms will be available soon, and sent to all qualified 4-H members. Forms will also be available on the Washoe County Facebook page (www.facebook.com/washoecounty4h) and on the 4-H calendar.

Storey County Hosts State 4-H Shooting Sports Leader Training

Comstock Hot Shots will host a State 4-H Shooting Sports Leader Level 1 training May 30 - June 1 in Virginia City at the Senior Center and Gold Hill at the Ice House Range. The disciplines provided at this volunteer training will be Shotgun and Pistol. A Hunting discipline will be offered to those already certified in two of the following disciplines: Shotgun, Rifle or Archery. Registration packets are available through the state 4-H calendar online at www.unce.unr.edu under News & Events; or through your county office. Completed packets are due to county 4-H offices by May 5. Final Registration is due to Sandy Wallin in the Carson office May 12.

Class begins May 30, 7-10 p.m. at the Virginia City Senior Center, and continues May 31, 8 a.m.-5 p.m. and June 1, 8 a.m.-1 p.m. at the Ice House Range. Fees include all classroom materials, training facilities, and most meals. Lodging is the responsibility of the participant. For more information, please call Sandy Wallin, 775-887-2252.

Warm-up Horse Show in Hidden Valley

On May 10, come to the 3rd Annual 1-Stop Fuzzy-Wuzzy Warm-Up Open Show, sponsored by the Spanish Springs Trailblazers 4-H Horse Club and 1-Stop Ranch & Feed. The event is at Hidden Valley Regional Park (3800 Parkway Dr. in Reno) and open to riders of all ages and all horse breeds.

Registration opens at 8:00 a.m. The show begins at 9:00 a.m. Pre-registration by May 7, is appreciated. For more details and entry materials, go to the Washoe County 4-H calendar or Facebook page www.facebook.com/washoecounty4h.

Nevada Junior Livestock Show

The Nevada Junior Livestock Show (NJLS) will be at the Reno Livestock Events Center May 15-18, 8 a.m. to 6 p.m.

This is a chance to see examples of beef, swine, sheep, goats and rabbits raised by local youth. 4-H, FFA and Grange members who qualified at their county shows will be participating. Exhibitors are reminded to get their excuse letters to their schools before the event.



For a schedule of events and other information, go to the website at http://agri.state.nv.us/ADMIN_JrLivestock.htm or call the NJLS office at 775-353-3610.

Silver State Livestock Show and Expo

You are cordially invited to participate in the 2014 Silver State Youth Livestock Show and Expo, an event of the Lyon County Fair Board, August 15-17, at the Lyon County Fair Grounds in Yerington.

The show has divisions in dairy, beef, sheep, swine, goats, rabbits, poultry and cavy. Market lambs, goats and swine must be in possession of the exhibitor by June 21. Market beef must be owned by May 1. Market animals will be weighed and tagged on August 15.

For entry forms, and to find out more information, please go to the Website at <http://ssyls.com/>.

Nevada Sesquicentennial Fair

Calling all Nevada youth to come be part of the Nevada Sesquicentennial Fair July 30 –August 3, at Fuji Park in Carson City.

All Show entries must be submitted on official entry forms, accompanied with entry fees and postmarked no later than June 20. Entries must be mailed or dropped-off at the Fair Office, 201 N. Carson Street, Carson City NV 89701. There is not an online entry system available this year. Exhibitors are encouraged to enter early. All information about the fair along with the competition guide can be found at www.nv150fair.com.

Important ownership requirements: Market Sheep, Swine and Goats - May 31, 2014. Market Rabbits & Poultry - June 30, 2014. All Breeding Animals, Beef, Sheep, Goats, Dairy, Cattle, Swine, Poultry and Rabbits - June 30, 2014.

Vehicle access to grounds will be restricted. All vehicles must be moved to the designated parking areas before the opening of the Fair each day. Parking for your RV and a car is available on the grounds. The cost is \$100 for five days with no hook ups. Please request your space on the applicable form and submit it with the entry form. Enter early and plan proactively. Parking is limited so be specific about all of your parking needs.

Dates that apply to youth exhibitors: Early check-in for livestock and horse shows is July 29. Youth horse show is July 30-31. All youth livestock must be in place by noon on July 30. Market livestock weigh-in at 1:00 p.m., July 30. Small animal check-in is at 4:00 p.m., July 30. Youth Livestock shows begin at 1:00 p.m. on July 31 and run through August 1. The Market Livestock Sale is Saturday, August 2 at 1 p.m. Check the website for a complete schedule.



How Can Youth Make a Difference?

The federal Interagency Working Group on Youth Programs are sponsoring a contest for youth ages 16-24 years. They want to hear how youth make a difference directly from the experts: young change-makers like you.

Can you think of a time when you were eager to make a difference? How did you turn your passion into action? Share your advice with other youth and young adults who want to make a difference and are figuring out where to start.

Submit your photos or a poster that inspires others to take action to Youth Engaged 4 Change, and a chance to win \$500! Learn more at <http://engage.findyouthinfo.gov/contribute/ye4c-contest-2014>. Submissions should be creative and give your peers real ideas about how they can take action to make things better for those around them. Submissions are due by 11:59 p.m. EST May 4, 2014.

Please share this contest with youth you know!



Babysitting Class In Early June

Carson City/Storey County 4-H will hold its popular annual babysitting class on June 9-13.

The class will be held each day from 3-5 p.m. in the Carson City/Storey County Cooperative Extension conference room, 2621 Northgate Lane in Carson City, suite # 12.

The class is open to all local middle school and high school youth. There is no charge.

Class topics include developmental ages and stages, babysitting for more than one child, safety concerns, how to apply for a babysitting job and first aid tips. To learn more about the class or to reserve your spot, call the Carson City/Storey County Cooperative Extension office, 775-887-2252.

Beyond Gardening in Minden

Members of the Douglas County 4-H Beyond Gardening project will meet at 4:30 p.m. on May 15, for their annual community service project at the historic Dangberg Ranch at 1450 Hwy 88 in Minden.

Members will enjoy a day of service while they plant flowers and plants on site.



Horse Club Seeks Members

Attention horse lovers! Carson City/Storey County's new horse club wants you. Membership recruitment is now open for this new club.

Leader Emilee Nicora is looking for more than few good horsemen and women. Members must be at least nine years-of-age and need not own a horse. Club meetings will start soon. Sign up soon so you don't miss a single meeting or activity.

To learn more about the club or to get a membership form, call the Carson City UNCE office, 775-887-2252.

National 4-H Shooting Sports

4-H Shooting Sports members 14 to 19 years of age who qualified with a blue ribbon at the 2013 State 4-H Shooting Sports Match can participate in the 2014 National Invitational.

The event takes place in Grand Island, Nebraska, June 24 through June 29. Last year's event hosted approximately 568 youth from 36 states competing in archery, air pistol, air rifle, hunting, muzzle-loading, shotgun, and small-bore rifle. Nevada 4-H Shooting Sports members can only register to participate in the discipline in which they received a blue ribbon at last year's State 4-H Shooting Sports Match.

Clubs with members who want to participate in this outstanding national event should visit the National 4-H Shooting Sports website http://www.4-hshootingsports.org/nat_invite.php and check out last year's event information. Registration fees last year were paid by the State 4-H Shooting Sports Advisory Committee. All other fees: travel, meals, extra field trips are the responsibility of the participant. Generally this cost has been \$2,000-\$3,000 for each participant plus a parent/coach. Registration packets will be forwarded to county UNCE offices as soon as they become available. Contact Sandy Wallin for more information, 775-887-2252.

Western Area May Dates to Remember

May 12 – 4-H Camp Teen Counselor
Application deadline

May 15-18 – Nevada Junior Livestock
Show, RLEC

May 26 – Memorial Day Holiday
(Offices Closed)

Your 4-H Mission Minute

The 4-H Youth Development Program infuses its hands-on approach to science, engineering, technology, and applied math learning with opportunities that help youth master life challenges, cultivate independence with guidance from caring adults, provide a sense of belonging within a positive group, and share their spirits of generosity toward others.

Through 4-H Youth Development, youth gain leadership, citizenship and life skills that prepare them for success in the workplace as well as in their communities. Literacy in the 21st century means not only improving one's science, engineering, technology, and math abilities, but also the analytic, communication, interpersonal and self-directional life skills that young people develop in 4-H programs.

-excerpt from Evaluating the 4-H Science Initiative, 2010



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 May 2014



DATE	WESTERN AREA	CARSON CITY/STOREY COUNTY	DOUGLAS COUNTY	WASHOE COUNTY
1	4-H Summer Camp registration forms mailed to 4-H members	4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		<div style="border: 1px solid black; padding: 5px;"> Please note: Due to the number of club meetings in Washoe Co., we cannot list them all here. </div>
2		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
2-3	State 4-H Livestock Contests, Churchill County Fairgrounds			
3-4		S.C. Shooting Sports Trailer, Cabelas, 9 a.m.-4 p.m.		
5	Shooting Sports Training registrations to county offices	Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
6		Arrowhead workout, Works Ranch, 5:30- 7:00 p.m.	Small Animals, 6:30 p.m.	
7		Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8 p.m.	Clover S.T.E.M.s, 6 p.m.	
8		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.	<div style="border: 1px solid black; padding: 5px;"> Please note: Douglas County currently has too many 4-H Project specific meeting dates to publish. Please refer to your Project Leader and Calendars for meeting </div>	
10				Fuzzy Wuzzy Warm up Show, Hidden Valley Arena
10-11		Comstock Hot Shots, Ice House Range, 10 a.m.-4p.m.		
11		Arrowhead Qualifier, Works Ranch, 9 a.m.-1 p.m.		
12	4-H Camp Teen Counselor Applications due to county offices	CC/SC 4-H Council Mtg., 6:30-8 p.m.		
13				Horse Leaders Mtg, 6 p.m.
14			DHS Grad Night	
15-18	Nevada Junior Livestock Show, Reno Livestock Events Center, 7 a.m. - 5 p.m. Daily			
15	4-H Summer Camp Registration open to non-members	4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.	Beyond Gardening, Danberg Ranch, 4:30 p.m.	
16		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
19		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.	Leaders's Council, 7 p.m.	
20		Carson Cluckers, 6:30 -8 p.m.		Livestock Leaders' Mtg., 6 p.m.
21			Clover S.T.E.M.s Party, TBA	Small Animal Leaders' Mtg., 7 p.m.
26	MEMORIAL DAY HOLIDAY - OFFICES CLOSED			
30		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.	DHS Graduation, 5:30 p.m.	
5/30 - 6/1	State Shooting Sports Leader Training, (*for details, see below)			
31	Market Sheep, Swine and Goat ownership deadline, 150th Fair			

*State Shooting Sports Leader Training: Friday, May 30 V.C. Senior Center 7-10 p.m.; Saturday, May 31, Ice House Range, 8 a.m.-5p.m.; Sunday, June 1, Ice House Range, 8 a.m.-1 p.m.

Upcoming 4-H Events Calendar



DATE	WESTERN AREA	CARSON CITY/STOREY COUNTY	DOUGLAS COUNTY	WASHOE COUNTY
June 2014				
2		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
3			Small Animals, 6:30 p.m.	
4		Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8 p.m.		
5		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
7	4-H Camp, Teen Counselor Candidate Interviews, Washoe UNCE office			
9		CC/SC 4-H Council Mtg., 6:30-8 p.m.		
10				Horse Leaders Mtg, 6 p.m.
12		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
13		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
14	4-H Camp Teen Counselor and Adult Chaperone training, Washoe UNCE office			
16		Target Rippers, Fuji Exhibit Hall, 6:30-8 p.m.		
17				Livestock Leaders' Mtg., 6 p.m.
18			Camper and Parent Info Night, 6:30 p.m.	Small Animal Leaders' Mtg., 7 p.m.
19		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m. Camper and Parent Camp Information Meeting, Interactive Video		Camper and Parent Camp Information Meeting, Interactive Video
20	Sesquicentennial Fair Entries due, postmarked by 5 p.m.	Set-up Rabbit & Cavy Show, Fuji Exhibit Hall, afternoon		
21		Carson Rabbit/Cavy Show, Fuji Exhibit Hall, 7 a.m. - 4 p.m.		
22-25	Discover Your Future, UNR			
23			Leaders' Council, 7 p.m.	
24		Carson Cluckers, 6:30 -8 p.m.		
25	All Camp Staff Meeting, Carson City UNCE office			
27		Carson Hot Shots, Cap. City Gun Club, 6-9 p.m.		
July 2014				
2		Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8 p.m.		
3		4 Paws, Fuji Exhibit Hall, 6:30-8 p.m.		
4	INDEPENDENCE DAY HOLIDAY - OFFICES CLOSED			
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 training, State 4-H Camp, 1 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.		
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			