Clean Out Your Closets, Attic and Garage

Time to get your garage, attic, basement or closets cleaned out and drop off unwanted, but clean and usable items for the Carson City / Storey County 2014 Fabulous 4-H Fabric and Rummage Sale Fundraiser. Drop off dates are January 18 and 25 from 10:00 a.m.-2:00 p.m. and February 7, 9:00 a.m.-5:00 p.m. at Fuji Exhibit Hall. Funds made from this event are used for Carson City / Storey County 4-H youth scholarships for national 4-H events and continuing education. Donations are tax deductible.

Community Service Hours: Help With Fabulous 4-H Fabric and Rummage Sale

Carson City / Storey County 4-H Club members and parents can volunteer to assist with the 2014 Fabulous 4-H Fabric and Rummage Sale Fundraiser. Help is needed to price items, take monies, assist shoppers with selections, measure fabric and general set up and clean up. This is the major fundraiser for the year for Carson City / Storey County 4-H Council scholarship fund.

4-H’ers who are graduating should examine the requirements to apply for these funds. Carson City / Storey County 4-H Council requires youth to participate in this event in order to be eligible to receive a scholarship to college.

For more information please contact Jim or Sandy 775 887-2252.
Carson City/Storey County 4-H Awards Ceremony

Thursday, January 16, 2014
4-H Council Pizza Party
6:00—7:00 p.m.
Awards Ceremony
7:00-9:00 p.m.

Fuji Park Exhibit Hall
601 Old Clear Creek Road, Carson City
Coordinated by Silver Sage Community Club

4-H members, leaders and their families are invited. All 4-H’ers and leaders will receive recognition for 4-H participation and achievement. This is a special event to recognize 4-H youth and leaders.

Dress: Youth/Business Attire (Something you would wear to a job interview.) or 4-H uniform (white shirt, green tie, and neat, clean blue jeans/levis, or dark slacks or skirt).
January
2  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
6  Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
    Silver Sage Community Club, UNCE Carson office, 6:00-7:30 p.m.
9  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
10 Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
13 S.C. Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.
    CC / SC 4-H Council, UNCE Conference Room, 6:30-8:00 p.m.
15 NJLS video conference, UNCE Conference Room, 5:30-8:00 p.m.
16 Carson/Storey 4-H Awards, Fuji Exhibit Hall, 6:00-9:00 p.m.
18 Fabric/Rummage Sale Drop Off, Fuji Exhibit Hall, 10:00 a.m.-4:00 p.m.
22 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
24 Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
25 Fabric/Rummage Sale Drop Off, Fuji Exhibit Hall, 10:00 a.m.-4:00 p.m.
27 Silver Sage Community Club, UNCE Carson office, 6:00-7:30 p.m.

Great Community Service Opportunity

Carson City Silver Sage 4-H Community Club extends an invitation to all area 4-H clubs to join them in collecting items for the Veterans Guest House in Reno. Items on their current Wish List include: Coffee (ground, caffeinated), canned goods-soups, meats (spam, vienna sausage, tuna, salmon), toilet paper, Lysol spray, pump hand soap and single packet snacks (chips, granola bars, nuts, crackers). Silver Sage members will collect items through February 2014, assemble the donations and get them to Veterans Guest House. Contact Nora Streng, 883-5010, or Sandy Hawkins, 882-4724, about donations. Call Jim Barcellos or Sandy Wallin for more information 887-2252.

Please submit articles and pictures of 4-H events and activities digitally by the 20th of the month so we can include them in the E-zine. THANKS!
February

3 S.C. Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.
Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
Silver Sage Community Club, UNCE Carson office, 6:00-7:30 p.m.
5 Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
6 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
7 Fabric/Rummage Sale set up/drop off, Fuji Exhibit Hall, 9:00 a.m.-4:00 p.m.
Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
8 & 9 Fabric/Rummage Sale Fund Raiser, Fuji Exhibit Hall, 9:00 a.m.-4:00 p.m. daily
10 CC / SC 4-H Council, UNCE Carson office, 6:30-8:00 p.m.
13 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
19 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
20 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
21 Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
24 S.C. Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.
Silver Sage Community Club, UNCE Carson office, 6:00-7:30 p.m.

Your Chance to be 4-H Strong

The 2014 4-H Leaders’ Forum, titled 4-H Strong: Go for the Green, is scheduled for
February 28 through March 1, at the Winnemucca Convention Center. The theme encourages
everyone in the Nevada 4-H Program, throughout all of the challenges being faced, to
continue to hold strong to the four “H’s” of the Pledge (Head, Heart, Hands, and Health), and
by implementing a new “H” for Hope. The fifth “H” inspires the Nevada 4-H Program to
continue a positive outlook during these challenges while aiming “To Make the Best Better.”
Leaders and youth are also encouraged to attend the Leaders’ Forum. Registration
forms will be available soon. Please contact Jessica Ponte for more information,
pontej@unce.unr.edu or 775-784-4378.
March

3  Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
5  Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
6  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
7  Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
10 CC / SC 4-H Council, UNCE Carson office, 6:30-8:00 p.m.
13 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
17 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
19 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
20 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
21 Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
24 S.C. Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.

Western Regional Leaders Forum

Join Montana 4-H as they welcome the Western Region Leaders’ Forum to Billings in March 2014. This event is open to all 4-H staff, leaders, and volunteers asking them to "Discover the Past, Present, and Possibilities of 4-H." Participants will enjoy a first class conference facility and hotel accommodations, national speakers, local entertainment and over 60 informational workshops. WRLF is an exciting time to network with peers from across the region sharing ideas and building relationships to carry 4-H into the future. For more information email ronibaker@montana.edu

Registration forms available: http://www.unce.unr.edu/calendar/files/pdf/RegionalFlyer.pdf
Maps and Apps, the 2013 National Science Experiment, will be the guide for a non-club articles in this year's e-zine articles. We hope you enjoy our articles, written by 4-H'er Rylan Fancher. We welcome photo and article submissions by members!!

Super Stellar & Solar Stuff
By Rylan Fancher

Starting the Maps and Apps National 4-H Experiment this fall, I never really thought about the history of maps. Stellar cartography and star charts date back as early as printing started in the 15th century. Art was combined with science creating charts showing constellations and images created by the stars. The picture is of Aquarius (the water bearer) by Hyginus in the 16th Century (right) is an example of this. Books of charts, Star Atlases, have now been replaced by computer software and the internet providing more than 15 million stars and more than 10,000 non-stellar objects we can explore from our own homes. Free downloadable deep space star charts are available at http://www,midnightkite.com/index.aspx

The Solar Wind is a continuous stream of ionized matter flowing from the sun in all directions. Our Earth's magnetic field acts as a barrier and few of the particles reach the atmosphere. We can see the reaction in the Aurora Borealis (northern hemisphere) and the Aurora Australis (southern hemisphere). The Solar Wind stream also causes magnetic storms and problems for our communications gear in space.

There are a lot of fun activities with solar energy for all ages. Activities for preschoolers include making a rainbow pinwheel or melting ice cubes against different color backgrounds. Starting in Elementary School right into High School and beyond, there are so many activities involving solar wind and astronomy that everyone can find something to interest them. The best sites I found with tons of activities and experiments are:


Take a look and share your most fun activity with your friends!
Parade of Lights, Virginia City, December 7
Parade of Lights, Virginia City, December 7
Cook Lovers, December 2013
Carson City / Storey County 2013-2014 4-H Clubs

For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.

Arrowhead Livestock Club

Carson Cluckers Poultry Club

Carson Bouncing Bunnies

Carson Target Rippers

Carson Hot Shots

4 Paws Dog

Silver Sage Community Club
Carson City / Storey County
2013-2014 4-H Clubs

For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- Comstock Hot Shots
- Cook Lovers
- Storey County Explorers Community Club

**Additional Programs**

- USDA Science Curriculum Afterschool Pro-
- Nevada State 4-H Camp
- 4-H Ambassadors
Clean Out Your Closets, Attic and Garage

Time to get your garage, attic, basement or closets cleaned out and drop off unwanted, but clean and usable items for the Carson City / Storey County 2014 Fabulous 4-H Fabric and Rummage Sale Fundraiser.

Volunteers are needed for the drop off and set up date February 7, 9:00 a.m.-5:00 p.m. at Fuji Exhibit Hall. Volunteers are also needed on sale days, February 8, 9:00 a.m.-4:00 p.m. and February 9, 9:00 a.m.-Noon.

Funds made from this event are used for Carson City / Storey County 4-H youth scholarships for national 4-H events and continuing education. Donations are tax deductible.

Small Animal Show, February 8

Rabbits, Cavy and Poultry, oh my! The annual Washoe County 4-H Youth Rabbit, Cavy and Poultry Show is coming February 8 to the Reno Livestock Events Center Exhibit Hall. Here is an opportunity to see many breeds of small animals. Besides the rabbit, cavy and poultry judging, many fun activities have been planned including a raffle (with proceeds going to the Washoe County 4-H Small Animals Program), small animal photo contest and animal costume contest. A snack bar will be provided.

INSDIE:
Page:
2-5 Dates to Remember!
6-7 Maps & Apps Article
8-10 Awards Ceremony in Pictures
11-12 Club & Program Information
February
5  Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
6  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
6  2014 National 4-H Conference Applications DUE, UNCE Office, 5:00 p.m.
7  Carson Hot Shots, Capital City Gun Club, 6:00 -9:00 p.m.
    Set up Fabric/Rummage Sale, Fuji Exhibit Hall, 8:00 a.m.-5:00 p.m.
8  2014 4-H Small Animal Show, RLEC Exhibit Hall, 8:00 a.m.-5:00 p.m.
8  Fabric/Rummage Sale, Fuji Exhibit Hall, 9:00 a.m.-4:00 p.m.
9  Fabric/Rummage Sale, Fuji Exhibit Hall, 9:00 a.m.-Noon
13  Arrowhead, Works Ranch, 6:30-8:00 p.m.
    4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
18  Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
19  Shooting Sports Adv. Comm. Videoconference, UNCE Conference Room, 6:00-8:00 p.m.
20  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
21  Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
22  Comstock Hot Shots, Ice House Range, 10:00 a.m.-3:00 p.m.
23  Comstock Hot Shots, Ice House Range, 10:00 a.m.-3:00 p.m.
24  Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.

Great Community Service Opportunity

Carson City Silver Sage 4-H Community Club extends an invitation to all area 4-H clubs to join them in collecting items for the Veterans Guest House in Reno. Items on their current Wish List include: coffee (ground, caffeinated), canned goods-soups, meats (spam, tuna, vienna sausage, salmon), toilet paper, Lysol spray, pump hand soap and single packet snacks (chips, granola bars, nuts, crackers). Silver Sage members will collect items through February 2014, assemble the donations and get them to Veterans Guest House. Contact Nora Streng, 883-5010, or Sandy Hawkins, 882-4724, about donations. SSCC are planning a service day there in the Spring. Call Jim Barcellos or Sandy Wallin for more information 887-2252.
Western Regional Leaders Forum

Join Montana 4-H as they welcome the Western Region Leaders’ Forum (WRLF) to Billings in March 2014. This event is open to all 4-H staff, leaders, and volunteers asking them to "Discover the Past, Present, and Possibilities of 4-H." Participants will enjoy a first class conference facility and hotel accommodations, national speakers, local entertainment and over 60 informational workshops. WRLF is an exciting time to network with peers from across the region sharing ideas and building relationships to carry 4-H into the future. For more information email ronibaker@montana.edu

Registration forms available: http://www.unce.unr.edu/calendar/files/pdf/RegionalFlyer.pdf

March
1. Comstock Hot Shots, Ice House Range, 10:00 a.m.-3:00 p.m.
2. Comstock Hot Shots, Ice House Range, 10:00 a.m.-3:00 p.m.
3. Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
4. Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
5. 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
6. Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
7. 4 H Council, UNCE Conference Room, 6:30-8:00 p.m.
8. Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.
9. 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
10. Open Rabbit and Cavy Show, Douglas County Fairgrounds, Gardnerville, all day
11. Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
12. Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
13. 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
14. Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
15. Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m. (tent. Dinner)
16. Western Regional Leaders Forum, Billings, MT, daily
April
2 Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
3 4 Paws, Fuji Exhibit Hall, 6:30 -8:00 p.m.
4 Carson Hot Shots, Capital City Gun Club, 6:00 -9:00 p.m.
7 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
7-11 Nat’l Shooting Sports Workshop, Pollock, Louisiana, Daily
10 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
Tent. Arrowhead workout, Works Ranch, 4:00 p.m.
12 Tent. Poultry Show, Fuji Exhibit Hall, 7:00 a.m.-5:00 p.m.
14 4-H Council, UNCE Conference Room, 6:30-8:00 p.m.
15 Tent. Arrowhead workout, Works Ranch, 4:00 p.m.
Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
16 Farm Days Set Up, Fuji Exhibit Hall & Carson Fairgrounds, 8:00 a.m.-noon
17 Capital City Farm Days, Fuji Exhibit Hall/Carson Fairgrounds, 8:00 a.m.-2:00 p.m.
18 Capital City Farm Days, Fuji Exhibit Hall/Carson Fairgrounds, 8:00 a.m.-2:00 p.m.
21 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
24 Tent Arrowhead workout, Works Ranch, 4:00 p.m.
27-5/1 Nat’l Shooting Sports Workshop, Raton, N.M., Daily

Don’t miss the next CC / SC 4-H Council Meeting,
Wednesday. February 12
6:30 p.m.
UNCE Conference Room

Please submit articles and pictures of 4-H events and activities digitally by the 20th of the month so we can include them in the E-zine. THANKS!

Contact Us: 887-2252
Carson City / Storey County
2621 Northgate Lane, # 15
Carson City, NV 89706
Fax: 775-887-2065

Extension Educator
JoAnne Skelly
skellyj@unce.unr.edu

4-H & Youth Programs
Sandra Wallin
wallins@unce.unr.edu

4-H & Youth Programs
Jim Barcellos
barcellosj@unce.unr.edu

E-zine Editor
Teri Spraggin
spraggin@unce.unr.edu

The University of Nevada, Reno is an EEO/AA institution. University of Nevada Cooperative Extension encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact us, 887-2252, in advance of your participation or visit.
Comstock Hot Shots March Range Dates Set

Rich Knight, Comstock Hot Shots 4-H Shooting Sports Leader, has set the dates for February and March range shoots. Members will meet at Ice House Range:

- March 1, 10:00 a.m. to noon and 1:00-3:00 p.m.
- March 2, 10:00 a.m. to noon and 1:00-3:00 p.m.

All members are reminded to wear layered clothing, closed toe and heel shoes, hats and bring water and sunscreen. In poor weather check, with Rich before making the drive: 847-0382.

National 4-H Shooting Sports Leader/Trainer Workshops

Registrations are out for the 2014 National 4-H Shooting Sports Leader/Trainer Workshops in Pollock, Louisiana, April 7-11 and Raton, New Mexico, April 28-May 1. 4-H Shooting Sports Leaders who have Level 1 (State 4-H Shooting Sports) training and have actively led a club for the past year are eligible to sign up for either training. Registration for Louisiana is $200 until March 17 and includes room and board. Registration for New Mexico is $290 (includes room and board) until April 1. State 4-H Shooting Sports Advisory Committee has scholarships available for registration fees only. All travel expenses are the responsibility of the participant. Registration packets are available through your county 4-H staff. Call Sandy Wallin 775 887-2252 for more information.

Capital City Farm Days 2014

Capital City Farm Days takes place Thursday and Friday April 17 and 18 at Fuji Park Exhibit Hall and Carson City Fairgrounds from 8:00 a.m.-2:00 p.m. daily. Carson City 4-H’ers who want experience demonstrating their livestock animal and explaining how they fit into the food chain to 800-1,000 K-5 students, their parents and teachers are invited to sign up for one or both days. This is a great way to socialize your critter prior to Nevada Junior Livestock Show and it’s fun. Members of other Carson City/Storey County 4-H clubs can volunteer to assist with presenter talks in the hall, act as bus greeters or help get drinks and food out to presenters.

Call Sandy Wallin 887-2252 for more information. Lunch and drinks are provided by Western Nevada Cattlewomen to all volunteers for this event.
Maps and Apps, the 2013 National Science Experiment, will be the guide for a non-club articles in this year's e-zine articles. We hope you enjoy our articles, written by 4-H'er Rylan Fancher. We welcome photo and article submissions by members!!!

Wild About Wind
By Rylan Fancher

Wind Maps
An invisible, ancient source of energy surrounds us—energy that powered the first explorations of the world, and that may be a key to the future. States, utility companies and wind energy developers use wind resource maps to locate and quantify the wind resource, identifying potentially windy sites within a fairly large region and determining a potential site’s economic and technical viability. A wind farm or wind park is a group of wind turbines in the same location used to produce energy. A large wind farm may consist of several hundred individual wind turbines and cover an extended area of hundreds of square miles, but the land between the turbines may be used for agricultural or other purposes.

Wind Detective
Becoming a wind detective is easy. All you have to do is use the powers of observation. Step outside, take a look around; and what do see, feel, and hear? You can see leaves moving and floating around, you can feel a breeze against your skin; and you can hear the rustling of the leaves. It may be easy to tell the difference between a gentle breeze and a strong wind, but you can be more accurate with wind by doing these observations. In the early 1800s, a British Admiral named Francis Beaufort came up with a system so that describing wind strength would mean the same thing to everyone.

It is so important to measure wind because it is the most important part of weather predictions. Wind is the movement of air caused by uneven heating of the earth’s surface. Wind affects the safety of buildings, studies of the effects of wind on crops, maneuvering ships and aircraft landing systems, and the control of wind turbines. If we learn how to read wind speed, we can protect buildings, generate more power from wind turbines, and make sure aircraft and ships return safely.
Maps and Apps: Wild about Wind (continued)

Now let’s talk about wing gauges. “Anemometer” is a fancy name for wind speed gauges. This is something you can make easy as an activity for kids. This measures wind’s strength, and make a pretty outdoor decoration at the same time.

You will need:
- Hole punch
- Plastic lid from a 39-ounce coffee can
- Blunt scissors
- Clean plastic egg carton
- Stapler and staples
- Yarn
- 3/8-inch wooden dowel
- Electrician’s tape
- Clean foam food tray (from fruits or vegetables only)

Here are the steps:

**Step 1:** Punch a hole in the center of the plastic lid that is large enough to fit the wooden dowel.

**Step 2:** Cut out four cups from an empty egg carton. Staple the cups to the lid as shown in the illustration.

**Step 3:** Cut 12 strips of yarn, each 6 inches long, and staple three of the pieces of yarn behind each cup.

**Step 4:** Roll a 4-inch piece of tape around the dowel about 2 inches from the end.

**Step 5:** To make the washer below the lid, cut a 1-inch circle from the foam food tray. Cut a small hole in the center of the washer that is large enough to fit through the dowel.

**Step 6:** Place the dowel through the center hole on the plastic lid. The lid should be just below the tape.

**Step 7:** Place the washer on the dowel under the plastic lid.

**Step 8:** Wrap another 4-inch piece of tape around the dowel under the washer.

**Step 9:** Stick the dowel in the ground outside your house in a windy place, and watch the anemometer turn.

Here are some more links for wind related topics:
http://www.gillinstruments.com/products/anemometer/whymeasurewind.htm
http://tlc.howstuffworks.com/family/easy-outdoor-science-experiments-for-kids2.htm
The Carson/Storey 4-H Council held their Annual Awards Night January 16, 2014. The event was conducted in the Fuji Park Exhibit Hall. Members of the Silver Sage 4-H Community Club served as emcees. Youth and leaders of the following clubs received recognition for their number of years in a project: Arrowhead Livestock, Bouncing Bunnies, Bug Huggers, Carson Cluckers, Carson Hot Shots, Comstock Hot Shots, 4-Paws, Silver Sage 4-H Community Club (SSCC), 4-H Sewing Project and the Target Rippers.

The following youth were recognized for their record keeping and projects, all received County Medals in Leadership, Creative Arts and Community Service: Bryar Fancher (SSCC), Courtney Green (SSCC), Rylan Fancher (SSCC) and Nora Streng (SSCC).

Special Awards were given for:
- Project Leader Service Award – Kyle Russell (Bouncing Bunnies), Sarah Anderson (4-Paws Dog Club), Kelly Figueroa (4-Paws Dog Club),
- Outstanding Leader of the Year – Geoff Landry (Target Rippers),
- Resource Leader Award – Wally Reed (Carson Hot Shots),
- Teen Leader of the Year – Shelby Patterson (Bouncing Bunnies), Nora Streng (SSCC & Bouncing Bunnies),
- Danforth “I Dare You” Leadership Award - Nora Streng (SSCC & Bouncing Bunnies),

Special thanks for organizing this event go to the Cooperative Extension staff for Carson City and Storey County – Jim Barcellos and Sandy Wallin, Community Based Educators, Teri Spraggins, Administrative Assistant and Cole Spraggins, volunteer.
Above: Nora Streng introduces the emcees

Above: Tamara and Rich Knight receive leader certificates for Comstock Hot Shots 4-H Club

Below: Silver Sage Community Club members awarded certificates

Below: Holly Strasser and members of the Arrowhead Livestock Club

Awards Ceremony
January 16, 2014

Below: Teen Leaders of the Year: Nora Streng and Shelby Patterson
Above: NJLS participation certificates awarded

Below: Geoff Landry awarded Outstanding 4-H Leader of the Year

Above: NJLS participation certificates awarded

Below: Rich Knight gives out Comstock Hot Shots Awards

Below: Heather Fancher gives out Silver Sage Community Club awards
Carson City / Storey County
2013-2014 4-H Clubs

For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.

Arrowhead Livestock Club
Carson Cluckers Poultry Club
Carson Bouncing Bunnies
Carson Target Rippers
4 Paws Dog
Silver Sage Community Club
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

Story County Programs

Additional Programs

Comstock Hot Shots

USDA Science Curriculum Afterschool Pro-

Cook Lovers

Nevada State 4-H Camp

Storey County Explorers Community Club

4-H Ambassadors
INSIDE:

Page:

Dates to Remember!
2-5

Maps & Apps Article
6

Comstock Explorers Build
7-8

Cook Lovers Pie Pictures
9-10

Fabric Sale Pictures
11

More Award Ceremony Pix!!
12

Cook Lovers Pasta Pictures
13-14

Club & Program Information
15-16

Please submit articles and pictures of 4-H events and activities digitally by the 20th of the month so we can include them in the E-zine. THANKS!

Carson City Sesquicentennial Fair

The 2014 Nevada Sesquicentennial Fair takes place at Fuji Park and Carson City Fairgrounds July 30 – August 3 and the website is up and running www.nevadafair.com. All information on classes for market beef, sheep, swine, goats, rabbits and poultry as well as breeding classes for beef, sheep, swine, meat goats, dairy goats, rabbits, cavies and poultry is available for downloading.

Livestock ownership deadlines are: market steers - March 31, market sheep, swine and goats - May 31, rabbits and poultry - June 20. For all breeding critters the deadline is June 30. The Junior Livestock Auction is scheduled for August 2.

There are classes for junior exhibitors in cooking, canning, fabric arts, photography and so much more. Check out the website, you'll be glad you did and get ready for a great time at the 2014 Nevada Sesquicentennial Fair. For more information contact Susan Taylor, Fair Manager at staylor@carson.org or (775) 283-7469.
March
1-2 Comstock Hot Shots, 10:00 a.m. - 3:00 p.m., Ice House Range
3 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
5 Bouncing Bunnies, Fuji Exhibit Hall 6:30 - 8 p.m.
6 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
7 Carson City / Storey County Leaders Council Scholarship Forms Due, 5:00 p.m.
Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
10 CC / SC 4-H Council, UNCE Conference Room, 6:30 - 8:00 p.m.
Cook Lovers, Virginia City Senior Center, 4:00 - 6:00 p.m.
13 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
15 Open Rabbit and Cavy Show, Douglas County Fairgrounds, Gardnerville, all day
17 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
18 Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
20 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
21 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
24 Cook Lovers dinner, Virginia City Senior Center, 4:00 - 6:00 p.m.
28-30 Western Regional Leaders Forum, Billings, MT, daily

Don't miss the next CC / SC 4-H Council Meeting, March 10 6:30 p.m.

Carson City/Storey County 4-H Council Scholarship Deadline Looms

Attention club leaders and graduating 4-H members. If local 4-H members are qualified to apply for the Carson City/Storey County 4-H Council scholarship, applications are now available on line at the Carson City 4-H section of the Cooperative Extension state web site: www.unce.unr.edu. Application deadline is Friday, March 7. If members or leaders have questions about the scholarship and qualification, please call the Carson City Coopera-
April
2  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
3  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
4  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
7  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
7-11 Nat'l Shooting Sports Workshop, Pollock, Louisiana, Daily
10 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
        Tent Arrowhead workout, Works Ranch, 3:00 – 5:00 p.m.
14  CC / SC 4-H Council, UNCE Conference Room, 6:30 – 8:00 p.m.
            (Scholarship Interviews to be conducted this night.)
15  Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
        Arrowhead workout, Works Ranch, 3:00 – 5:00 p.m. (Tentative )
15-17 Youth Development Conference, Boise, all day — ask Jim or Sandy for details!
16  Farm Days set up, Fuji Exhibit Hall & Carson City Fairgrounds
17-18 Capital City Farm Days, Fuji Exhibit Hall & Carson Fairgrounds, 8:00 a.m. – 3:00 p.m.
21  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
24  Arrowhead workout, Works Ranch, 3:00 – 5:00 p.m. (Tentative )

———

Capital City Farm Days 2014

Capital City Farm Days takes place Thursday and Friday April 17 and 18 at Fuji Park Exhibit Hall and Carson City Fairgrounds from 8:00 a.m. - 2:00 p.m. daily.

Carson City 4-H'ers who want experience demonstrating their livestock animal and explaining how they fit into the food chain are invited to sign up for one or both days. This is a great way to socialize your critter prior to Nevada Junior Livestock Show and it’s fun. Members of other Carson City / Storey County 4-H clubs can volunteer to assist with presenter talks in the hall to 800 – 1,000 K – 5 students, their parents and teachers, act as bus greeters or help get drinks and food out to presenters.

Call Sandy Wallin 887-2252 for more information. Lunch and drinks are provided by Western Nevada Cattlewomen to all volunteers for this event.

———

Mark Your Calendars! Babysitting Certification in June

The annual babysitting certification class will be held this year in June. The class will run from 3:00-5:00 p.m. daily June 9-13. For more information or to reserve a spot in the class, call the Carson City / Storey County Cooperative Extension office at 887-2252.
May
1  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
2  Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
2-3  2014 State 4-H Livestock Contests, Fallon, NV, all day
5  Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
6  Arrowhead workout, Works Ranch, 3:00 - 5:00 p.m. (Tentative)
7  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
8  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
14-18  Nevada Junior Livestock Show, RLEC, 7:00 a.m. - 5:00 p.m. daily
15  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
16  Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
19  Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
20  Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
30  Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.

4-H Horse Club Returns to Carson City / Storey County

Carson City/Storey County 4-H is happy to announce that a full-fledged horse club will soon be hosting meetings and events. The club’s new leader is long-time 4-H’er Emilee Nicora. Emilee was in Washoe County livestock and horse clubs for many years and is excited about forming the new club. She looks forward to meeting new members. Membership recruitment is ongoing and a meeting date will be announced soon. For more information on the new horse club, please call the CC / SC Cooperative Extension office at 887-2252.

Nevada Junior Livestock Show, 2014

The Nevada Junior Livestock Show Board provides an opportunity for 4-H and FFA members to exhibit their livestock projects before the public, thus promoting and providing the incentive for achieving excellence in livestock production skills and practices. Such achievement and participation in the Show encourages sportsmanship, leadership, citizenship and responsibility of the highest order in the members. The dates for the 2014 Nevada Junior Livestock Show are May 14-18 at the Reno Sparks Livestock Event Center.

NJLS Rules can be found online at: http://agri.nv.gov/uploadedFiles/agrinvgov/Content/Administration/NJLSB/docs/2014%20Rules.pdf
5

2014 National 4-H Shooting Sports Invitational

4-H Shooting Sports members 14 - 19 years of age who qualified with a blue ribbon at last year's State 4-H Shooting Sports Match are eligible to participate at 2014 National Invitational. The event takes place in Grand Island, Nebraska, June 24 - 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 they qualified in with a blue ribbon at last year's State 4-H Shooting Sports Match.

Clubs with members who want to participate 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 such as travel, meals, extra field trips, etc. 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, 887-2252.

Above: Nevada’s National Shooting Sports Team, 2013 (front l-r) Sadie Leyba, Joe Evans, Lachlan McQueary (back l-r) Sam Leyba, Ron Huntington, J.D. Evans

Above: Heather Peterson (Sophomore) has been on the Galena Rifle team for 2 years and this year shot a Varsity score! Also Zac Roberts (Freshman) is also on the team and he has also shot a Varsity score.

Congratulations!
Maps and Apps, the 2013 National Science Experiment, will be the guide for a non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher. We welcome photo and article submissions by members!!!

Stalking Storms
By Rylan Fancher

Last month’s article was about being a wind detective and now we can go deeper with the importance of jet streams on our climate. Jet streams are fast flowing, air currents found in our atmosphere. Most major jet streams on Earth are westerly (flowing west to east). That is why lots of storms in the western U.S. start in the Pacific and move toward the Atlantic. Here are three new terms to learn about the locations of jet streams:

- **troposphere** - temperature decreases with altitude,
- **stratosphere** - temperature increases with altitude and,
- **tropopause** - the transition area between these two.

Jet streams are caused by the planetary rotation on the axis and the atmosphere being heated by the sun (solar radiation). There are two major jet streams in each hemisphere of earth: **polar jets** - the strongest at between 4 and 7 miles above sea level and, **subtropical jets** - weakest and between 6 and 10 miles above sea level.

Scientists started researching the high wind currents after the 1883 eruption of the volcano, Krakatoa. Weather watchers tracked the ash in the sky for several years and labelled it the “equatorial stream.” The invention of airplanes helped speed up the research on jet stream.

Go to the site below for lots of info about wind, storms, jet streams and lots of other climatic things. Lots of games, experiments and even some jokes!

http://www.weatherwizkids.com/weather-wind.htm
Comstock Explorers build racing cars
February 27
Comstock Explorers build racing cars
February 27
Cook Lovers
practice making pies
February 24
Cook Lovers practice making pies February 24
Fabric Sale
February 8-9, 2014
More Awards Ceremony Pix January 16, 2014
Cook Lovers Pasta Lesson
January 13
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- Comstock Hot Shots
- Cook Lovers
- Storey County Explorers Community Club

**Additional Programs**

- USDA Science Curriculum Afterschool Program
- Nevada State 4-H Camp
- 4-H Ambassadors
Time to Break Out Your Chef Hat!

The Healthy Lunchtime Challenge is back.

First Lady Michelle Obama is again teaming up with the U.S. Department of Education, the U.S. Department of Agriculture, and Epicurious to host a nation-wide recipe challenge to promote cooking and healthy eating among America’s youth. They’re inviting parents or guardians and their children, ages 8-12, to submit an original lunch recipe that is healthy, affordable, and tasty, with the opportunity to be invited to attend a Kids’ "State Dinner" at the White House where a selection of the winning healthy recipes will be served. **Entry deadline is April 5.**

If you are the parent of a budding chef between the ages of 8 and 12, you’re invited to work together and send in your child’s original lunch recipe inspired by the USDA’s MyPlate. You and your child could win a trip to Washington, D.C., and you may have the opportunity to represent your state at the Kids’ "State Dinner," hosted by Mrs. Obama at the White House.

Your recipe should be:

- **Healthy** -- Veggies and fruits should make up half of your recipe, and be sure to also include low-fat dairy, whole grains, and lean protein
- **Delicious** -- Keep it fresh, simple, and yummy
- **Original** -- We want your own creative dish, not one from a published source
- **Affordable** -- No fancy ingredients needed
- **Meaningful** -- Tell us the story of how you came to make this dish

Complete rules are available at [www.recipechallenge.epicurious.com/](http://www.recipechallenge.epicurious.com/)
Bunnies in Bloom in Reno

Spring is here, and rabbits are soon to follow. Rabbitears 4-H Club’s yearly show “Bunnies in Bloom” will be held at Shoppers Square Mall in Reno on Saturday, April 12. The mall opens at 7:30 a.m. Check-in for the show is 8:30-9:00 a.m., and judging starts at 9:30 a.m. Animals and Exhibitors must stay in the mall until 5:00 p.m. Tattooing will be available at the show for a fee of $1.00 per animal. You can find the links to the show book and forms on the Washoe County 4-H calendar or on their Facebook page (www.facebook.com/washoeCounty4-H).

Entries must be postmarked by Saturday, April 5.

Mail entry forms and fees to:

Amanda Klepps
5720 Bozic Lane
Sun Valley, NV 89443

Camp Applications Available in May

Douglas, Carson City, Storey and Washoe county registered 4-H members ages 9 to 12 years old (as of July 13, 2014) will be mailed an application for the Western Area 4-H Summer Camp during the first week of May. Applications will be accepted for area 4-H members starting May 1. Registration opens to non-members on May 15. Registration ends when all camp openings are filled or on June 15, whichever comes first.

This year, the camp is Sunday, July 13 through Saturday, July 19. This is a week-long overnight camp at the State 4-H Camp at Lake Tahoe. It’s filled with fun and educational activities including swimming, kayaking, archery and camp fires. There will be plenty of good food and a chance to make new friends.

Watch your mail for applications. An electronic copy will be available online at that time as well. Camp fills quickly, so be sure to return your completely filled-out application with the camp fee, insurance card and include all shot record dates on the form.

Please note teens 14-18 years of age may apply to be Teen Counselors for camp. Applications will be available March 31, and mailed to eligible 4-H members at that time. References and an interview are required for these positions.

Any adult considering being a Chaperone for the week is encouraged to contact their local Cooperative Extension office soon so the screening process can be completed in time for camp.
April
2  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
3  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
4  Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
5  Comstock Hot Shots, Ice House Range, 10:00 a.m. - 4:00 p.m.
6  Comstock Hot Shots, Ice House Range, 10:00 a.m. - 4:00 p.m.
7  Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
10 Arrowhead workout, Works Ranch, 5:30 - 7:00:00 p.m.
14 CC / SC 4-H Council, UNCE Conference Room, 6:30 - 8:00 p.m.
15 Arrowhead workout, Works Ranch, 5:30 - 7:00:00 p.m.
16 Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
17 Farm Days set up, Fuji Exhibit Hall & Carson Fairgrounds, 10:00 a.m. - noon
18 Capital City Farm Days, Fuji Exhibit Hall/CC Fairgrounds, 8:00 a.m. - 2:00 p.m.
18 Capital City Farm Days, Fuji Exhibit Hall/CC Fairgrounds, 8:00 a.m. - 2:00 p.m.
21 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
22 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
22 Arrowhead workout, Works Ranch, 5:30 - 7:00 p.m.

Capital City Farm Days 2014

Capital City Farm Days takes place Thursday and Friday, April 17 and 18, at Fuji Park Exhibit Hall and Carson City Fairgrounds from 8:00 a.m. - 2:00 p.m. daily. Carson City 4-H’ers who want experience demonstrating their livestock animal and explaining how they fit into the food chain are invited to sign up for one or both days. This is a great way to socialize your critter prior to Nevada Junior Livestock Show and it’s fun. Members of other Carson City / Storey County 4-H clubs can volunteer to assist with presenter talks in the hall to 800 - 1,000 K - 5 students, their parents and teachers, act as bus greeters or help get drinks and food out to presenters.

Call Sandy Wallin 887-2252 for more information. Lunch and drinks are provided by Western Nevada Cattlemen to all volunteers for this event.

Contact Us: 887-2252
Extension Educator
JoAnne Skelly
skellyj@unce.unr.edu
4-H & Youth Programs
Sandra Wallin
wallins@unce.unr.edu
4-H & Youth Programs
Jim Barcellos
barcellosj@unce.unr.edu
E-zine Editor
Teri Spraggins
spragginst@unce.unr.edu

The University of Nevada, Reno is an EEO/AA institution. University of Nevada Cooperative Extension encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact us, 887-2252, in advance of your participation or visit.
**Carson City / Storey County**

**Dates to Remember!**

**May**

1. 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
2. Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
3. Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
4. Arrowhead workout, CC Fairgrounds, 5:30 – 7:00 p.m.
5. Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
6. 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
7. Arrowhead Qualifier, Works Ranch, 9:00 a.m. – 1:00 p.m.
8. CC / SC 4-H Council, UNCE Conference Room, 6:30 – 8:00 p.m.
9. Nevada Junior Livestock Show (NJLS), RLEC, daily
10. 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
11. Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
12. Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
13. Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
14. Memorial Day, CC / SC Office Closed
15. Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.

---

**Nevada Junior Livestock Show, 2014**

The Nevada Junior Livestock Show provides an opportunity for 4-H and FFA members to exhibit their livestock projects before the public, thus promoting and providing the incentive for achieving excellence in livestock production skills and practices. Such achievement and participation in the show encourages sportsmanship, leadership, citizenship and responsibility of the highest order in the members. The dates for the 2014 Nevada Junior Livestock Show are May 14-18 at the Reno Sparks Livestock Event Center.

NJLS Rules can be found online at: [http://agri.nv.gov/uploadedFiles/agrinvgov/Content/Administration/NJLSB/docs/2014%20Rules.pdf](http://agri.nv.gov/uploadedFiles/agrinvgov/Content/Administration/NJLSB/docs/2014%20Rules.pdf)

---

**State Livestock Contests**

The Nevada 4-H Program is presenting the 2014 State 4-H Livestock Judging, Skillathon and Quiz Bowl Contests May 2-3 at the Churchill County Fairgrounds, 111 Sheckler Road in Fallon. Contests are open to all county 4-H programs throughout Nevada. There are categories for junior, intermediate and senior teams and contestants. The registration packet is available online at: [http://www.unce.unr.edu/4H/calendar/files/pdf/20144HLivestockContestsRegistrationPacket.pdf](http://www.unce.unr.edu/4H/calendar/files/pdf/20144HLivestockContestsRegistrationPacket.pdf)

Applications must be received by the State 4-H Office on or before April 14.
June
2  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
4  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
5  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
9-13 Babysitting Certification, UNCE Conference Room, 3:00 – 5:00 p.m.
12  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
13  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
16  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
19  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
20  Sesquicentennial Fair Entries due, postmarked by 5:00 p.m.
21  Carson Rabbit/Cavy Show, Fuji Exhibit Hall, 7:00 a.m. – 4:00 p.m.
22-25 Discover Your Future, UNR Campus, daily
24  Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
27  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.

Mark Your Calendars! Babysitting Certification in June

The annual babysitting certification class will be held this year in June. The class will run from 3:00-5:00 p.m. daily, June 9-13. For more information or to reserve a spot in the class, call the Carson City / Storey County Cooperative Extension office at 887-2252.

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 9 years-old and need not own a horse. Club meetings will start soon, so hurry and sign up so you do not miss a single meeting or activity. To learn more about the club or to get a membership form, call the Carson City Cooperative Extension office, 887-2252.
2014 National 4-H Shooting Sports Invitational

4-H Shooting Sports members 14 - 19 years of age who qualified with a blue ribbon at last year's State 4-H Shooting Sports Match are eligible to participate at 2014 National Invitational. The event takes place in Grand Island, Nebraska, June 24 - 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 where they qualified.

Clubs with members who want to participate 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.

All other fees such as travel, meals, extra field trips, etc. 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, 887-2252.

Quality Assurance Training for NJLS

4-H Livestock members who need to attend a mandatory Quality Assurance Training prior to NJLS will now access the training and certification online. Please remember that all 4-H Livestock members taking an animal to NJLS must take the Quality Assurance training and test every 3 years.

All Quality Assurance training must be completed by May 1. Youth enroll individually and fees are $10 per youth. Individual enrollments can be paid with a debit or credit card.

This online course is divided by youth age so the course content is age appropriate and current. Volunteer 4-H Leaders may also take the course as a club leader to expand their current knowledge base.

Please ensure that members keep proof of their scores and certificate. This information will also be posted on the NJLS website. Contact your county 4-H office for a copy of “LQA Registration Info” sheet and a link to a movie that provides step-by-step instructions for registering and enrolling in the course.

Here is the link to the Quality Assurance online training:

http://extensioncourses.unl.edu/

Please contact your 4-H office for the letter to guide you in registering.

Please submit articles and pictures of 4-H events and activities digitally by the 20th of the month so we can include them in the E-zine. THANKS!
Maps and Apps, the 2013 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher. We welcome photo and article submissions by all members!!

What’s the Weather?
By Rylan Fancher

Let’s go from Stalking Storms to finding out what our Nevada weather is for the next day, week, month or a certain time of the year. Meteorologists are the scientists who predict our weather patterns. Their job seems to be getting harder with global warming, but they are getting more accurate with all of the satellite technology they can use. We can use weather maps from several sources online. One of the most popular is The Weather Channel at weather.com. They offer many different views using weather maps.  

Most of these maps give you a picture and then can be set in motion so you see how the clouds, storms, jet streams and temperatures have changed over the last few hours. They may even predict them for the next several hours or days.

Local Nevada weather can be found on almost any weather site and the Reno news channel sites. You can also get the weather forecast and see weather maps being used by meteorologist on TV. Here is a local site:

So, check out your local Reno weather stations which cover most of northern Nevada. Get online and compare forecasts from local and national weather sites - they don’t always agree. Keep track for a month and see who is right more often - the local guys or the national ones.

Here are a few sites for kids that offer some games based on your grade:

Cook Lovers Family Dinner,
March 24
Small Animal Show, March 15
Cook Lovers, March 10
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.

Carson City / Storey County 2013-2014 4-H Clubs

Arrowhead Livestock Club
Carson Cluckers Poultry Club
Carson Bouncing Bunnies
Carson Hot Shots
4 Paws Dog
Silver Sage Community Club
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- Comstock Hot Shots
- USDA Science Curriculum Afterschool Programs
- Cook Lovers
- Nevada State 4-H Camp
- Comstock Explorers Community Club
- 4-H Ambassadors

**Additional Programs**

- Carson City / Storey County 2013-2014 4-H Clubs

- Nevada State 4-H Camp
Storey County Hosts State 4-H Shooting Sports Leader Training

Comstock Hot Shots will host a make-up State 4-H Shooting Sports Leader Level 1 training May 30, 31 and June 1 in Virginia City at the Senior Center and in Gold Hill at the Ice House Range. This training is being offered in Shotgun and Pistol disciplines; which were not offered during the fall training in Winnemucca. Rich Knight is also offering to teach a class on the Hunting discipline which requires leaders be certified and active in two of the following disciplines: Rifle, Shotgun or Archery.

Registration packets are available through your county 4-H staff and due to your county office May 5 (scanned copies to Sandy Wallin wallins@unce.unr.edu). County 4-H Staff need to forward registrations and $75 checks payable to Board of Regents to the State 4-H office by May 12.

Class begins Friday evening at Virginia City Senior Center, 7 to 10 p.m. and continues Saturday, at the Ice House Range 8 a.m. to 5 p.m. and Sunday 8 a.m. to 1 p.m. Fees include all classroom materials, training facilities, snacks, instructors and meals (except for breakfasts and Sunday lunch). Lodging is the responsibility of the participant.

For more information, call Sandy Wallin, (775) 887-2252.
State Livestock Contests

The Nevada 4-H Program is presenting the 2014 State 4-H Livestock Judging, Skillathon and Quiz Bowl Contests May 2 to 3 at the Churchill County Fairgrounds, 111 Sheckler Road in Fallon. Contests are open to all county 4-H programs throughout Nevada. There are categories for junior, intermediate and senior teams and contestants.
Mark Your Calendars! Babysitting Certification in June

The annual babysitting certification class will be held this year in June. The class will run from 3:00-5:00 p.m. daily, June 9-13. For more information or to reserve a spot in the class, call the Carson City / Storey County Cooperative Extension office at 887-2252.
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 9 years-old and need not own a horse. Club meetings will start soon. Hurry and sign up so you do not miss a single meeting or activity. To learn more about the club, call the Carson City Cooperative Extension office, 887-2252.
Maps and Apps, the 2013 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher. We welcome photo and article submissions by all members!!

Capture Your Climate

By Rylan Fancher

We all hear about “climate change” these days, but what does it mean and how can you tell? Climate mapping is a big part of how scientists see changes.

Climate refers to dominant or recurring weather patterns over long periods of time. Climate maps show a region, continent or the entire world. Combinations of precipitation, temperature, seasonal changes and geography help identify climate zones.

There are 31 world-wide climate zones based on five main climate types: equatorial, arid (like our desert), warm-temperature, snow and polar. The main classification system is the Koeppen-Geiger. Here is a map of the lower 48 states with their climate classifications. Where have you lived or traveled? Have you noticed differences in plants and weather?

In the climate map (next page), you can see how dry Nevada is!

Here are some cool sites with ideas to think about and activities to do for yourself or school:
http://climatekids.nasa.gov/menu/weather-and-climate/
http://www.kidsmaps.com/links.php?id=5&sub=11
This is a map of average annual precipitation averaged over the period 1961-1990. Station observations were collected from the NOAA Cooperative and USDA NRCS SMOG networks, plus other state and local networks. The PRISM modeling system was used to create the gridded estimates from which this map was made. The size of each grid pixel is approximately 4km x 4km. Support was provided by the NRCS Water and Climate Center.

For information on the PRISM modeling system, visit the SCAS web site at
http://www.oes.oregonstate.edu/prism

The latest PRISM digital data sets created by the SCAS can be obtained from the Climate Source at
http://www.climatesource.com

Copyright 2000 by Spatial Climate Analysis Service, Oregon State University
Pictures on this page by Ronni Hannaman, Executive Director, Carson City Chamber of Commerce
Taken April 17, 2014 at

Farm Days

Top Left: Heather Peterson shows off poultry

Top Right: Sophia Ruedy of Arrowhead Livestock with her sheep

Bottom Left: Parker Storey of Arrowhead Livestock showing off his dairy cow
Left:
**Sophia Ruedy** of Arrowhead Livestock sharing her sandwich with her lamb, Dutch, and her Grandma’s lamb, Petey at Capital Farm Days.

Right:
**Julia Ruedy** of Arrowhead Livestock with her breeding heifer, Hungrietta visiting with families during Farm Days. Hungrietta had a new calf, Hazel, born on March 19th.

Left:
**Holly Strasser** of Arrowhead Livestock with her pig, Ginger.
Top and left: Northern Nevada Spinners and Weaver present at Farm Days

Above: Nevada Department of Agriculture’s Noxious Weed Program presentation
Farm Days 2014

Above: Native Pollinators, Jeff Knight, Department of Agriculture State Entomologist
Below: Nevada Beef Council, Jill Scofield
Carson City / Storey County
2013-2014 4-H Clubs

For information about these clubs or meeting times and locations,
call Jim or Sandy at the Extension office, 887-2252.

Arrowhead Livestock Club
Carson Cluckers Poultry Club
Carson Target Rippers
Carson Bouncing Bunnies
4 Paws Dog
Silver Sage Community Club
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- Comstock Hot Shots
- Cook Lovers
- Comstock Explorers Community Club

**Additional Programs**

- USDA Science Curriculum Afterschool Programs
- Nevada State 4-H Camp
- 4-H Ambassadors
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, Room 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.

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 beef must be owned by May 1. Market lambs, goats and swine must be in possession of the exhibitor by June 21. 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/.

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 beef must be owned by May 1. Market lambs, goats and swine must be in possession of the exhibitor by June 21. 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/.
June 1 State 4-H Shooting Sports Leader Training, Virginia City & Ice House Range, 8:00 a.m. - 1:00 p.m.
Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
4 Bouncing Bunnies, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
5 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
6 Explorers Bar B Q, Miners Park, 6:00 p.m.
9 CC / SC 4-H Council Meeting, UNCE Conference Room, 6:30 - 8:00 p.m.
9-13 Babysitting Certification, UNCE Conference Room, 3:00 - 5:00 p.m., daily
12 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
13 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
14 Carson Rabbit/Cavy Show, Fuji Park – Outdoors, 7:00 a.m. - 4:00 p.m.
16 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
19 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
20 Nevada 150 Fair entries due.
24 Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
27 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.

Youth ages 14-19 are invited to have a University of Nevada Reno experience! Find out about Educational Opportunities a Research University has to offer. Live in the dorms! Meet professors and UNR students! Make new friends from across the state! Learn about different UNR majors available to you! Participate in other great, fun activities!

For more information contact Jim Barcellos, barcellosj@unce.unr.edu or 887-2252.
July
2  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
3  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
4  July 4th, UNCE office closed
7  Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
10 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
11 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
12 13 - 18 Western Area (Carson, Douglas, Storey, Washoe) Area 4-H Camp, 4-H Camp - Lake Tahoe, daily
14 CC / SC 4-H Council Meeting, UNCE Conference Room, 6:30 - 8:00 p.m.
15 Carson Cluckers, UNCE Conference Room., 6:30 - 8:00 p.m.
17 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
21 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
25 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
28 - 31 Sesquicentennial Fair (Nevada 150 Birthday Fair) Fuji Park & Carson City Fairgrounds, daily

August
1 - 3 Nevada 150 Fair, Carson City Fairgrounds/Fuji Park, Daily
4  Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
6  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
7  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
8  Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
13 Carson Cluckers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
14 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
18 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
19 Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
21 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
22 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
For the last several months members of the Silver Sage 4-H Community Club (SSCC) and the Bouncing Bunnies 4-H Club collected, organized and delivered food and cleaning items. Under the leadership of teen leader in both clubs, Nora Streng, the club members and their families collected donations. We would like to recognize others who donated: Susan Rogers, Carson / Storey Cooperative Extension staff, Carson City DMV, Carson NDOT, Carson River Ward of the Church of Jesus Christ Latter Day Saints and the Smith Family.

Nora and SSCC junior leaders Rylan and Bryar Fancher delivered the items and gift cards to Linda Grace, Program Coordinator at the Reno Veteran’s Home. They were given a tour of the facility.

The Veterans Guest House is a "home away from home" for U.S. military service veterans receiving medical treatment and for families of veterans who are receiving care at facilities in the Reno / Sparks area. It is located within two miles of three of the four major medical facilities.

The Guest House is located at the corner of Locust and Taylor Streets, just north of the VA Medical Center in Reno. The physical amenities of the house provide the intangible comforts of a warm, caring, supportive home, at a time when the veteran or family member is dealing with other more pressing issues.
Maps and Apps, the 2013 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher. We welcome photo and article submissions by all members!!!

Does the Greenhouse Effect Affect Us?

By Rylan Fancher

Most of us have seen a greenhouse. You know - a small glass house used to grow plants in cold weather. My Uncle Jerry has one for his plants and it is hot and humid inside it. My grandparents have a passive solar house with a greenhouse and it keeps the house warm.

So, we know that the glass panels of the greenhouse trap heat from the sun and prevent it from escaping. Our atmosphere acts like the glass panels of a greenhouse for the earth. The sunrays go through Earth’s atmosphere, which is made up of several layers of gases, and reach the Earth’s surface. The land, water air absorb the solar energy. The gases in our atmosphere - like water vapor, carbon dioxide, nitrous oxide, methane and ozone, trap energy from the sun and prevent the heat from escaping back into space. This causes Earth to heat up the greenhouse effect.

Some of our man-made greenhouse gases make the greenhouse effect stronger. Some are caused by human activities like burning of fossil fuels, coal, oil, natural gas, cutting down and burning trees, etc. These put more carbon dioxide into the atmosphere and change the balance. Use of aerosols, hairspray cans, fridges, plastics, etc. produce a group of highly dangerous greenhouse gases called chlorofluorocarbons. These are so bad that even small amounts can trap large quantities of heat, making the Earth extremely hot. This phenomenon is known as global warming, which has a highly dangerous effect on the Earth.

As more heat gets trapped in the Earth, the planet will become extremely warm, which will in turn, lead to weather changes throughout the world - just watch the news channels! Our climate right now is good for human survival but we don’t want it to get changed too far in either direction. We don’t only affect the environment for people, but for all other creatures, too. Global warming will change where people can live and grow food. Here are some good sites to dig into this topic more:

http://www.epa.gov/climatechange/kids/basics/today/greenhouse-effect.html
http://climatekids.nasa.gov/greenhouse-effect/
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.

Carson City / Storey County 2013-2014 4-H Clubs

Arrowhead Livestock Club

Carson Cluckers Poultry Club

Carson Bouncing Bunnies

Carson Hot Shots

Carson Target Rippers

4 Paws Dog

Silver Sage Community Club
Carson City / Storey County
2013-2014 4-H Clubs

For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

Story County Programs

Comstock Hot Shots

Cook Lovers

Comstock Explorers Community Club

Additional Programs

USDA Science Curriculum Afterschool Programs

Nevada State 4-H Camp

4-H Ambassadors
State 4-H Shooting Sports Match

4-H Shooting Sports members need to be on the lookout for registrations for the 2014 Nevada 4-H Shooting Sports Match. Packets should be out to county 4-H staff by mid-July and will be due to the State 4-H office by August 15.

The event scheduled for September 13 will be in Douglas County at the Douglas County Shooting Range and Douglas County Fairgrounds. 4-H’ers 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 State Shooting Sports Coordinator, Sandy Wallin, 887-2252 or e-mail wallins@unce.unr.edu.

Inside this Month’s E-zine

Page:
2-4 Dates to Remember!
5 Maps & Apps Article
6-7 Babysitting Certification
8-9 Shooting Sports Training
10-13 NJLS Results
14-15 Arrowhead Qualifier
16-17 Comstock Explorers
18-19 Club & Program Info

State 4-H Shooting Sports Match, 2013, Las Vegas

State 4-H Shooting Sports Match

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

The event scheduled for September 13 will be in Douglas County at the Douglas County Shooting Range and Douglas County Fairgrounds. 4-H’ers 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 State Shooting Sports Coordinator, Sandy Wallin, 887-2252 or e-mail wallins@unce.unr.edu.

Inside this Month’s E-zine

Page:
2-4 Dates to Remember!
5 Maps & Apps Article
6-7 Babysitting Certification
8-9 Shooting Sports Training
10-13 NJLS Results
14-15 Arrowhead Qualifier
16-17 Comstock Explorers
18-19 Club & Program Info

State 4-H Shooting Sports Match, 2013, Las Vegas

Contact Us: 887-2252

Extension Educator
JoAnne Skelly
skellyj@unce.unr.edu

4-H & Youth Programs
Sandra Wallin
wallins@unce.unr.edu

4-H & Youth Programs
Jim Barcellos
barcellosj@unce.unr.edu

E-zine Editor
Teri Spraggins
spragginst@unce.unr.edu

The University of Nevada, Reno is an EEO/AA institution. University of Nevada Cooperative Extension encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact us, 887-2252, in advance of your participation or visit.
July
1  State 4-H Shooting Sports Match registrations out
2  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
   Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
4  Happy 4th of July - Office Closed
5-6 Comstock Hot Shots, Ice House Range, 9:00 a.m. – 3:00 p.m.
7  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
10 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
11 Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
14 4-H Leaders Council, UNCE Conference Room, 6:30 – 8:00 p.m.
15 Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
17 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
21 Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
25 Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
30-31 Sesquicentennial Fair, Fuji Park & Carson Fairgrounds, daily

The 2014 Nevada Sesquicentennial Fair takes place at Fuji Park and Carson City Fairgrounds July 30 - August 3, and the website is up and running at www.nevadafair.com. All information on classes for market beef, sheep, swine, goats, rabbits and poultry as well as breeding classes for beef, sheep, swine, meat goats, dairy goats, rabbits, cavies and poultry is available for downloading.

Livestock ownership deadlines are: market steers - March 31, market sheep, swine, and goats - May 31, market rabbits and poultry - June 20. For all breeding critters, the deadline is June 30.

The Junior Livestock Auction is scheduled August 2. There are classes for junior exhibitors in cooking, canning, fabric arts, photography and much more. Check out the website; you'll be glad you did. Get ready for a great time at the 2014 Nevada Sesquicentennial Fair. For more information contact Susan Taylor, Fair Manager at staylor@carson.org or (775) 283-7469.
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 Lyon County Fair Board has incorporated this Statewide/Regional Livestock Show with the Lyon County Fair and Rodeo to fill the void left in Nevada with the closing of the Nevada State Fair. The show is open to ALL 4H & FFA youth!

The Show will offer "industry appropriate" market and breeding classes in beef, sheep, swine, goats, rabbits, cavy, poultry, dairy and static exhibits.

For entry forms, and to find out more information, please go to the website at: [http://ssyls.com/](http://ssyls.com/).
September
1  Labor Day - Holiday - Office closed
3  Bouncing Bunnies, Fuji Park Exhibit Hall, 6:30 - 8:00 p.m.
4  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
5  Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
8  4-H Leaders Council, UNCE Conference Room, 6:30 - 8:00 p.m.
11 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
13 State 4-H Shooting Match, Douglas County Range & Fairgrounds, 7:00 a.m. - 10:00 p.m.
15 Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
16 Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
18 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
19 Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.

October 8, 2014
Maps and Apps, the 2013 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H'er Rylan Fancher. We welcome photo and article submissions by all members!!!

Nevada Rivers and Water

By Rylan Fancher

Maps can show us all kinds of information. You’ve seen climate maps, weather maps, greenhouse effect maps, wind maps and star maps! We all know that there are road maps, but check out this map showing Nevada lakes and rivers. Have you ever driven across our state? Driving from here to Las Vegas makes you wonder how anyone lives in that area with very few water sources. You can see where our main farming areas are - just follow the rivers. Compare Nevada to a state with “a 1,000 lakes” as Minnesota is called.

In our state, we need to use water wisely since we don’t have much. A couple of past National 4-H Science experiments concentrated on water. The 2010 experiment: 4-H_2O - was designed to engage youth around the country in asking the question: Why is water quality important and why is it important to understand it now? The 2008 experiment was lots of fun: Hydrogels! Water is everywhere - in the sky, in the ground and in our homes. However, caring for this vital resource is often a challenge for each of us. Conservation means using water wisely. In the 2008 National Science Experiment, youth explored a new superabsorbent polymer - called hydrogels - that can help with water conservation...right in our own backyards.

Links to the Geology.com site for maps of ALL kinds, and for the experiments are below. You need to sign-up at the 4-H site, www.4-h.org/.

- http://geology.com/state-map/maps
- http://www.4-h.org/4-h-national-youth-science-day/past-experiments-archives/
Babysitters Certified in Early June

Five new area sitters are certified and ready to care for little ones after attending the babysitting certification class held at the Carson City Cooperative Extension in early June. The new babysitters learned how to use positive guidance principles, looking after more than one child, basic first aid, and how to safely find and approach babysitting clients. Those receiving their certification after the week-long class were Bryar Fancher, Dominic Cockrill, Galen Strother, Ryanna Blake and Leandra Blake.
Comstock Hot Shots hosts May 30, 31 & June 1 Shooting Sports Training

Five 4-H Shooting Sports leaders from around Nevada gathered in Virginia City at the Virginia City Sr. Center and Ice House range for a make-up 4-H Shooting Sports leader training, May 30, 31 and June 1. Leaders were trained in Air Pistol, Shotgun and, for the first time, the Hunting discipline.

Trainers and participants enjoyed a dinner of roasted chicken, baked beans, potato salad and apple crisp on Friday night. Training continued at the range on Saturday and Sunday. Game Warden and 4-H Alumni, Ian Knight was a presenter on Saturday.

The five leaders were certified in: Geoff Landry – Hunting; James Steve Cummins – Air Pistol and Varlin Higbee, Steve Terry and John Singh – Shotgun.

Fall 4-H Shooting Sports Training Tentatively Set

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

Anyone interested in the training should contact the 4-H office.
Comstock Hot Shots hosts May 30, 31 & June 1 Shooting Sports Training
Arrowhead Livestock Club NJLS Placing: Beef and Dairy

Beef Breeding:
Joshua Smith 1st place registered two-year old
Joshua Smith 2nd place Reserve Champion registered beef female
Julia Ruedy 1st place unregistered junior heifer calf
Julia Ruedy 1st place unregistered cow
Julia Ruedy 3rd place unregistered cow with calf
Julia Ruedy 5th place best bred and owned
Joshua Smith 6th place best bred and owned

Market Steers:
Joshua Smith 4th place
Julia Ruedy 4th place
Julia Ruedy 5th place

Senior Showmanship Beef:
Joshua Smith 6th place
Julia Ruedy 9th place

Dairy Cattle:
Parker Story 2nd Reserve Champion junior champion and reserve dairy female
Hayden Story 2nd place dairy 2 year old cow
Hayden Story 1st place dairy 3 year old cow
Hayden Story 1st place dairy progeny class

Novice Dairy Showmanship:
Zoie Harmer 1st place
Holly Strasser 2nd place

Junior Dairy Showmanship:
Parker Story 1st place

Senior Dairy Showmanship:
Hayden Story 2nd place

Dairy Cattle Handler:
Holly Strasser 3rd place
**Arrowhead Livestock Club NJLS Placing: Sheep and Swine**

**Market Lambs:**
- Sophia Ruedy  6th place
- Kayla Holcomb  8th place

**Novice Swine Showmanship:**
- Kelly Holcomb  2nd place
- Hayden Story  8th place

**Junior Showmanship:**
- Lander Smith  4th place

**Senior Showmanship:**
- Holly Strasser  1st place

**Carson Bouncing Bunnies NJLS Placing**

**Rabbit Record Book:**
- Melissa Russell  1st place

**Rabbit Single Fryer:**
- McKenzie Repp  11th place
- Bailey Griffin  12th place
- Darby Griffin  13th place
- McKenzie Repp  14th place

**Junior Rabbit Showmanship:**
- Natalie Hamilton  1st place

**Intermediate Rabbit Showmanship:**
- Ansley Griffin  2nd place

**Senior Rabbit Showmanship:**
- Shelby Patterson  2nd place
- Melissa Russell  3rd place
- Bailey Griffin  4th place
- Darby Griffin  6th place

**Rabbit Meat Pen:**
- Shelby Patterson  3rd place
- Melissa Russell  7th place
Arrowhead Livestock Holds Educational Qualifier

Comstock Explorers take on Community Service

Comstock Explorers 4-H Community club volunteered to assist in a community service project May 1. Club members met after school at a home in Virginia City to help weed the yard and remove heavy yard waste. Everyone dug in and enjoyed an afternoon of shared labor followed by yummy frozen treats supplied by the home owner. The home owner was impressed with the can do attitude of the 4-H’ers, their parents and leaders. Way to go, Explorers!
Comstock Explorers take on Community Service
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- Comstock Explorers Community Club
- Comstock Hot Shots
- Cook Lovers

**Additional Programs**

- USDA Science Curriculum Afterschool Programs
- Nevada State 4-H Camp
- 4-H Ambassadors
Storey County 4-H
Shooting Sports Qualifier

Saturday, August 16, is the date set for the Storey County 4-H Shooting Sports Qualifier. The event takes place at the Ice House Range, 8:00 a.m. – 5:00 p.m. Storey County 4-H Shooting Sports members need to bring water, sunscreen, a chair and hat. 4-H’ers who want to shoot in the State 4-H Shooting Sports Match, September 13 in Douglas County, need to sign up with leader Rich Knight to shoot at the Qualifier. All 4-H Shooting Sports members are eligible to compete in the discipline in which they have received student skills safety training. For more information call Sandy 887-2252

Here Kitty, Kitty!

Learn more about the exciting world of cats, their behavior, breeds, raising and training. Sign-ups for the all new Carson City 4-H Cat Club are scheduled for August 21, 6:30 p.m.-8:00 p.m. at UNCE Conference Room., 2621 Northgate Lane, Suite 12. Youth who own or are interested in raising and caring for a cat are invited to attend this first meeting. No Cats Please, This is a meeting to sign-up and make plans for our newest club. This club will begin in October for the 2014-2015 4-H year. Call Sandy 887-2252 for more information.
Don't miss the next 4-H Council Meeting, August 11 6:30 p.m. UNCE Conference Room Everyone invited!!!!

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 Lyon County Fair Board has incorporated this Statewide/Regional Livestock Show with the Lyon County Fair and Rodeo to fill the void left in Nevada with the closing of the Nevada State Fair. The show is open to ALL 4H & FFA youth!

The Show will offer "industry appropriate" market and breeding classes in beef, sheep, swine, goats, rabbits, cavy, poultry, dairy and static exhibits.

Carson City / Storey County 4-H

August
1-3 Sesquicentennial Fair, Fuji Park & Carson Fairgrounds, daily
5 National Night Out, Carson City: Mills Park; Storey County: Miners Park, late afternoon to early evening
8 Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
9 Storey County 4-H Shooting Sports Qualifier, Ice House Range, 8:00 a.m.-5:00 p.m.
11 CC / SC 4-H Leaders Council, UNCE Conference Room, 6:30-8:00 p.m.
14 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
15 Registrations due for NV State Shooting Sports Match, Sandy Wallin, all day
18 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
19 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
21 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
Carson Cat Club sign ups, UNCE Conference Room, 6:00-8:00 p.m. /no Cats please
22 Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
September
1  Labor Day, Office Closed
3  Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
4  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
5  Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
8  CC / SC 4-H Leaders Council, UNCE Conference Room, 6:30-8:00 p.m.
13 State 4-H Shooting Sports Match, Douglas Co. Fairgrounds & Range, 6:00 a.m.-9:00 p.m.
15 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
16 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
18 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
19 Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
Nevada Day Parade 2014 entry forms, postmarked today. Find the forms online: http://www.nevadaday.com
20 UNR Field Day, Main Station Field Lab, Reno, 9:00 a.m.-2:00 p.m.

October
1  Bouncing Bunnies, Fuji Exhibit Hall, 6:30-8:00 p.m.
2  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
3  Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
4  Build Day National Science Experiment, UNCE Conference Room, 10:00 a.m.-1:00 p.m.
6  Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
8  National Science Experiment Presentation, UNCE Conference Room, 6:00-8:00 p.m.
9  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
13 CC / SC 4-H Leaders Council, UNCE Conference Room, 6:30-8:00 p.m.
14 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
16 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
17 Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
20 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
24-26 State 4-H Shooting Sports Leader Training, Pahrump, Fri. 7:00-10:00, Sat. 8:00 a.m.-5:00 p.m. and Sun. 8:00 a.m.-1:00 p.m.
31 Nevada Day, Office closed
  Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.

November
1  Nevada Day Parade, 2014, Carson City
4-H National Science Experiment 2014

This year, youth will be tasked with one mission: in light of the recent natural disasters such as Typhoon Haiyan, National 4-H Council is asking youth to design and build an aerodynamic food transportation device that can deliver a payload of nutritious food to disaster victims. Youth will learn engineering concepts, develop math skills, learn about nutrition and help solve a relevant, global issue.

A build day is scheduled for October 4 from 10:00 a.m.-1:00 p.m. in the Carson City Cooperative Extension Conference Room. The 4-H National Science Experiment 2014 presentation is scheduled for Wednesday, October 8, from 6:00-8:00 p.m. in the Carson City Cooperative Extension Conference Room.

Sign up for the 2014-15 4-H Year!

4-H Enrollment is conducted by the 4-H Club and county 4-H Office. All youth and adults desiring to join 4-H must enroll annually (October 1 to October 31 this year). Every member, leader and teen leader MUST COMPLETE A 2014-15 REGISTRATION FORM — even if you have completed one in the past. Some clubs require completion of an Assumption of Risk form.

Forms for returning members must be submitted by October 31.

Forms for new members who come to the clubs after October 31 are due in the Carson City Cooperative Extension Office within 30 calendar days.

In the past we have had open enrollment - start at any time - leave at any time. That policy has led to 4-H members NOT BEING ENROLLED before events. A 4-H member must be enrolled prior to registering for events if they are to be covered by both club and 4-H event insurance.

Forms for youth enrollment, leader enrollment and teen leader enrollment are available September 1 at the Carson City Cooperative Extension Office. Leaders can request copies of youth and leader enrollment forms, minor and adult assumption of risk forms and the code of conduct.

Maps and Apps, the 2013 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher. We welcome photo and article submissions by all members!!!

Terrific Topography

By Rylan and Bryar Fancher

The National 4-H Science Experiment 2013 taught us about maps. We were introduced to topography. In using topographic (topo) maps we decode the symbols and numbers on the maps. When you learn the meaning of the symbols, you can see the features shown on these maps, and what they can tell you about the terrain and area. In our 4-H experiment we had 8 levels of topographic symbols. The main parts of a topo map are:

Title: At the top, right-hand corner of the map, you’ll find the title. This defines the area covered on the map and other size information.

Navigation: Around the outer edge of the map, you will see numbers. These correspond to latitude, longitude and Universal Transverse Mercator (UTM) grid markers.

Latitude is a measurement of distance from the equator, north or south.

Longitude is a measurement of distance from the Prime Meridian, east or west. Degrees of latitude and longitude are separated by about 70 miles. Within them, they can be measured by minutes and seconds. These are not times, but distances. A minute is equal to 1.2 miles, and a second is equal to .02 miles.

UTM measurements are divide a map of the entire Earth into a grid. There are 60 zones across the top and 20 zones along the side. Within the cell on a grid where the mapped area falls, the positions are divided into meters north and east. These coordinates are also listed on the side of the topographical map.

Contour lines: These show the elevation measurements of the land, at intervals of 20 feet. Each line represents an area 20 feet higher than the last, with some elevations marked along the contour lines. The lines are usually curvy, following the shape of the hills and valleys of the land surface.

Symbols: You will find a symbol key on the map, showing you other markings that indicate rivers, mines, caves, roads, buildings and other landmarks. http://www.life123.com/parenting/education/geology/how-to-read-topographic-maps.shtml
Terrific Topography (continued)
By Rylan and Bryar Fancher

Eagle Valley Middle School competes in the Science Olympiad. Science Olympiad is an international academic competition for students at all grade levels. Science Olympiad events cover a wide range of science, technology, engineering, and mathematics (STEM) topics and are based on and supported by the state and national content standards. Our team (4-Hers Dean Poppenga and Rylan Fancher) competed in the Road Scholar section last spring. We placed fourth out of eleven teams. It is about road maps, topo maps and mystery adventure stories to be solved by reading maps.

A couple of cool activities using maps and other skills and technology are orienteering and geocaching. Orienteering is an outdoor sport open to all ages and abilities. Competitors run, walk, mountain bike, ski, snowshoe or wander around a forested course finding as many orienteering markers from the map as possible. You can use a Global Positioning System (GPS) receiver to navigate to places or to explore areas you are unfamiliar with. Practice GPS navigation and orientation exercises will add to the enjoyment of orienteering and navigation.

Geocaching is a real world treasure hunt using GPS and clues found on different geocaching websites: http://nevadageocaching.com and http://www.geocaching.com/

Activity sites:

Above: orienteering with a compass.

Right: A geocache can be hidden anywhere.
A Day at Bonanza Kennel Club Show

by Emilie Figueroa

The first time I attended the Bonanza Kennel Club Show was two years ago and it was really fun! I got to show a dog named Jill and she was a wire fox terrier. She belonged to this woman named Ann who trains fox terriers. The first time I showed was with my friend Morgan and she had an Italian Spinone. She got second place in the show and I got third place in the show because Jill, the fox terrier, was paying too much attention to a Japanese Chin named Charlie.

by Shyleigh Sanders

This year was also really fun and I got another fox terrier named Tahoe. He was a novice. Jill, Gabby, Max and Morgan all played with the other dogs like Sunny, the St. Bernard puppy so that’s why I got third place again. This time I had a couple more friends come with me.
NJLS Placing: 2014 Carcass of Merit

The NJLS Carcass of Merit Program offers recognition to youth who breed and/or buy, feed and raise animals whose carcasses meet the “ideal” for red meat: lean, early maturing, high yielding and containing minimal external fat. NJLS Swine Carcass of Merit was awarded to Sierra Coleman. Congratulations, Sierra!!!

Opening of the NV150 Fair
(Nevada Appeal Article 8/1/2014)

The governor in his Fair Opening remarks referred to the fun young people can have by involving themselves in agriculture-related pursuits such as those featured at the fair, recalling his own days in 4-H while growing up in Nevada.

“I was a sheep kid,” he told the young people gathered for the ceremony.

That 11:00 a.m. ceremony began with presentation of the colors, the pledge of allegiance and a rendition of the National Anthem by John Tyson, the broadcaster who also served as master of ceremonies. The ribbon-cutting was actually on the fair’s second day, though there were just a few events Wednesday: the junior horse show, and the pee wee cavy/rabbit show.
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.

Carson City / Storey County
2013-2014 4-H Clubs

Arrowhead Livestock Club
Carson Target Rippers
Carson Cluckers Poultry Club
Carson Bouncing Bunnies
Carson Hot Shots
4 Paws Dog
Silver Sage Community Club
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.
State Shooting Sports Match

The 2014 Nevada State 4-H Shooting Sports Match, hosted by Douglas County 4-H Shooting Sports and Douglas County 4-H, will be held Saturday, September 13, at the Douglas County Fairgrounds and Shooting Range. Both are located at the south end of Gardnerville, two miles off Highway 395. Douglas County Fairgrounds serves as headquarters for contest check-in and tabulation of scoring from the ranges.

Early Check-In is 6:00-8:00 p.m. Friday, September 12. Check-In continues Saturday morning, September 13, from 6:00-7:00 a.m. followed by the Opening Ceremony and the competitions in the six disciplines—Archery, Air pistol, Air Rifle, .22 Rifle, Shotgun and Muzzleloader—at the Douglas County Range north of the fairgrounds. Breakfast and lunch are available to purchase Saturday at the range.

Following the competition, there will be a barbeque/picnic for contestants and their families at the fairgrounds. Cost is $5 per participant and for youth age 10 and under, $15 per nonparticipant and those age 11 and older. The Awards Ceremony takes place at 7:00 p.m. following the barbeque/picnic (dependent on completion of scoring and tabulation). An entry packet PDF file with entry form, all other necessary forms, driving directions, lodging and camping information, contest schedule and helpful hints, can be found at http://www.unce.unr.edu/4H/calendar/files/pdf/2014SSMatchForms.pdf. For questions and information not contained in the entry packet, please contact Sandy Wallin, Nevada State 4-H Shooting Sports Coordinator, at 775-887-2252.
September

1  Labor Day, Office Closed
4  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
8  CC / SC 4-H Leaders Council, UNCE Conference Room, 6:30-8:00 p.m.
10 NJLS Board, UNCE Conference Room, 5:00-7:00 p.m.
12 State 4-H Shooting Sports Match Set Up, Douglas Co. Fairgrounds & Range, all day
13 State 4-H Shooting Sports Match, Douglas Co. Fairgrounds & Range,
   6:00 a.m.-9:00 p.m.
15 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
16 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
18 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
19 Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.

Nevada Day Parade 2014 entry forms, postmarked today. Find the forms online:
http://www.nevadaday.com

20 UNR Field Day, Main Station Field Lab, Reno, 9:00 a.m.-2:00 p.m.

We need….

One or two liter soda bottles, empty and clean, for the National
4-H Science Experiment. We need at least a dozen or more! If you can
donate a few clean bottles; we would appreciate it.

Thanks!  Jim and Sandy
Carson City / Storey County
Dates to Remember!

October
2  4 Paws sign ups, UNCE Conference Room, 6:30-8:00 p.m.
3  Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
4  Build Day National Science Experiment, (Change of Venue!!!) Boys and Girls Club, 1870 Russell Way, 10:00 a.m.-1:00 p.m.
6  Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
8  National Science Experiment Presentation, UNCE Conference Room, 6:00-8:00 p.m.
9  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
13 CC / SC 4-H Leaders Council, UNCE Conference Room, 6:30-8:00 p.m.
     Cook Lovers, Virginia City Senior Center, 4:00-6:30 p.m.
14 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
16 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
17 Carson Hot Shots, Capitol City Gun Club, 6:00-9:00 p.m.
20 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
     Cook Lovers, Virginia City Senior Center, 4:00-6:30 p.m.
24-26 State 4-H Shooting Sports Leader Training, Pahrump, Fri. 7:00-10:00, Sat. 8:00 a.m.-5:00 p.m. and Sun. 8:00 a.m.-1:00 p.m.
27 Cook Lovers, Virginia City Senior Center, 4:00-6:30 p.m.
31 Nevada Day, Office closed

November
1  Nevada Day Parade, Carson City
3  Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
     S.C. Cook Lovers, V.C. Sr. Center, 4-6 p.m.
6  4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
10 4-H Council, UNCE Conference Room, 6:30-8:00 p.m.
13 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
14 Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
17 Target Rippers, Fuji Exhibit Hall, 6:30-8:00 p.m.
     Cook Lovers, Virginia City Senior Center, 4:00-6:00 p.m.
18 Carson Cluckers, UNCE Conference Room, 6:30-8:00 p.m.
20 4 Paws, Fuji Exhibit Hall, 6:30-8:00 p.m.
28 Carson Hot Shots, Capital City Gun Club, 6:00-9:00 p.m.
4-H National Science Experiment 2014

This year, youth will be tasked with one mission: in light of the recent natural disasters such as Typhoon Haiyan, the National 4-H Council is asking youth to design and build an aerodynamic food transportation device that can deliver a payload of nutritious food to disaster victims. Youth will learn engineering concepts, develop math skills, learn about nutrition and help solve a relevant, global issue.

A build day is scheduled for October 4 from 10:00 a.m.-1:00 p.m. at the Boys and Girls Club, 1870 Russell Way, Carson City (Change of Venue!). The 4-H National Science Experiment 2014 presentation is scheduled for Wednesday, October 8, from 6:00-8:00 p.m. in the Carson City Cooperative Extension Conference Room.

Sign up for the 2014-15 4-H Year!

4-H Enrollment is conducted by the 4-H Club and county 4-H Office. All youth and adults desiring to join 4-H must enroll annually (October 1 to October 31 this year). Every member, leader, and teen leader MUST COMPLETE A 2014-15 REGISTRATION FORM. Some clubs require completion of an Assumption of Risk form.

Forms for returning members must be submitted by October 31.

Forms for new members who come to the clubs after October 31 are due in the Carson City Cooperative Extension Office within 30 calendar days.

In the past we have had open enrollment – start at any time – leave at any time. That policy has led to 4-H members NOT BEING ENROLLED before events. A 4-H member must be enrolled prior to registering for events if they are to be covered by 4-H event insurance.

Forms for youth enrollment, leader enrollment and teen leader enrollment are available September 1 at the Carson City Cooperative Extension Office. They are available online at:

Member Enrollment Form
www.unce.unr.edu/4H/about/policies/members/files/pdf/MemberForm.pdf

Leader Enrollment Form
www.unce.unr.edu/4H/about/policies/leaders/files/pdf/LeaderForm.pdf
Maps and Apps, the 2013 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher.
We welcome photo and article submissions by all members!!!

Happy Maps
By Rylan Fancher

Happy Maps are illustrated maps that are more than just technically accurate maps. Happy maps are inspiring, interesting, informative, inviting, and yes, they are illustrated. They are alive! Points of interest are emphasized, hints of directions given. Happy Maps attract people’s interest, to really tempt them visit your town.

Think about making a Happy Map for your travel bucket list instead of writing it on a plain white sheet – that’s too boring. Make it cool, make it graphic and turn it into a convenient yet fun map. The Bucketlistmap will surely drive you to pinpoint and conquer that dream destination.

A Bucketlistmap becomes your adventure guide in finding out what the world offers from very touristy sites to isolated ones. It exceeds the use of an ordinary map because of the illustrations printed in each country together with the travel notes you can cross out once you’ve finally seen or done them. If you want to know more, visit Awesome Maps: http://awesome-maps.com/products/bucketlistmap

For more cool activities with maps, click on the links below to see what other maps you can create.

2014 Rabbit and Cavy Community Show
Above: Registration for 2014 Rabbit and Cavy Community Show

Below: Health Check-in for 2014 Rabbit and Cavy Community Show
2014 Rabbit and Cavy Community Show
2014 Rabbit and Cavy Community Show
Hello everyone, my name is Josh Smith. I am a member of the Arrowhead Livestock 4-H Club. I would like to take a little of your time and say thanks to all the support from my group and other groups that participated in the NV150 show in Carson. It was a great show and I hope it continues because it had a lot of people and a lot to do. The judges made it worth the drive. They were really nice and enjoyed helping and showing tips to help us in the future. Salina, the beef judge from Chico, had to be the best and funniest beef judge I have ever had. I look forward to having her next year, I hope. They all have had experience in showmanship and made it even more enjoyable for us to come and show for them. I do have to say, I will be attending the NV150 again and I look forward to this show now. Thanks Again! Josh Smith

The NV150 Fair was a great opportunity for Arrowhead 4-H Livestock to shine. We had members in pigs, beef, sheep and dairy. The beef Grand Champion Market and Grass Fed Market went to Tank shown by Joshua Smith and Reserve Champion Market went to Hercules shown by Sophia Ruedy. In the sheep pens Grand Champion Grass Fed Sheep went to Yeri shown by Lander Smith. Members Sierra Coleman, Zoie Harmer, Holly and Kelly Strasser, Hayden and Parker Story, Joshua and Lander Smith and Kayla and Kenny Holcomb showed they have what it takes to compete with the best. They not only had a great time and won awards but showed Carson City what farms animals real look like.

We would like to thank the NV150 Fair Board and say we hope to be in attendance at next year’s fair.
Thank you to all our NV150 Sponsors from the Carson City/Storey County 4-H members, leaders, parents and volunteers!

Benson’s Feed and Tack  
Jim Benson  
2750 Hwy 50 East  
Carson City, NV 89701  
Donated $1,000 to sheep and swine show  
and a bag of shavings to each youth exhibitor with an animal (approximately 80 bags)

C-A-L Ranch Stores  
John Atkins, CEO  
665 E Anderson  
Idaho Falls, ID 83401  
$500.00 for agriculture events;  
hats for each exhibitor

Carson City Area Chamber of Commerce  
Ronni Hannaman, Executive Director  
1900 South Carson Street, Suite 200  
Carson City, NV 89701  
Sponsored the Comstock Cowboys,  
Ribbon Cutting and promotion

Carson City Toyota & Scion  
Dana Whaley, GM  
2590 S. Carson Street  
Carson City, NV 89701  
Ruby Sponsor

Casino Fandango  
Court Cardinal  
3800 S. Carson Street  
Carson City, NV 89701  
Sponsored Parking

City of Carson City  
Marena Works  
Deputy City Manager  
201 N Carson Street  
Carson City, NV 89701
Thank you to all our NV150 Sponsors from the Carson City/Storey County 4-H members, leaders, parents and volunteers!

Douglas County
Larry Werner, Interim County Manager
1594 Esmeralda Ave.
Minden NV 89423
$10,000 sponsorship

Downtown Business Association
c/o The Purple Avocado – Sue Jones
904 N. Curry Street
Carson City, NV 89701
General Sponsor

Dynamic Diversified Development
Gene Lepire
PO Box 2811
Carson City, NV 89702
$1,000 general sponsor

Greater Nevada Credit Union
Jen Jochim
451 Eagle Station Lane
Carson City, NV 89701
General sponsor

Meridian Insurance Services
216 N Minnesota Street
Carson City, NV 89703
$250.00 Livestock events

Nevada Agricultural Foundation
Susan Hoffman, Executive Director
PO Box 8089
Reno, NV 89507
Grant for $1,000
NV150 Fair Candid Shots

Above Top: Kenny Furlong, Sheriff, with Hercules

Above Bottom: Sophia Ruedy and Mark Twain (McAvoy Lane) with Sophia’s steer, Hercules
NV150 Fair Candid Shots
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- **Comstock Hot Shots**
- **Cook Lovers**
- **Comstock Explorers Community Club**

**Additional Programs**

- **USDA Science Curriculum Afterschool Programs**
- **Nevada State 4-H Camp**
- **4-H Ambassadors**
Ho, Ho, Ho — It’s Off to the Garden We Go!

Carson City 4-H is laying the groundwork to begin a new 4-H Junior Master Gardener club. Our new leader is taking her training and a great site for the garden has been offered. The Junior Master Gardener program is so much more than digging in the dirt, although that is a large part of the project. 4-H'ers will learn what makes gardens grow from the bottom up: how plants grow and develop, what makes good soil, insects (good guys and bad guys), landscape horticulture, garden or landscape (Is there a difference?) and so much more.

This project area will also include a section on nutrition and how to eat healthy. The winter months are the perfect time to begin to design the site and decide what seeds we need to buy for good eats throughout the summer. Sign up for this brand new club in Carson City now. Call Sandy Wallin 887-2252.

Storey County Parade of Lights

Carson City / Storey County 4-H members, leaders and parents are invited to participate in the Virginia City Parade of Lights, December 6. Everyone is encouraged to meet at the Virginia City Senior Center or behind the Roasting House at 3:00 p.m. to begin decorating the float. A pot luck dinner follows at each site.

Participants are encouraged to dress warmly and come prepared to share in an evening of family fun in Virginia City. For more information contact Sandy Wallin 887-2252.

Inside this Month’s E-zine

Page:
- 2-4 Dates to Remember!
- 5-7 Rockets to the Rescue!
- 8-9 Club & Program Info

Don’t miss the next 4-H Council Meeting, Monday November 10 6:30 p.m. UNCE Conference Room
November

3  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
3  Email entries for the Sixth Annual Reno Rabbits, Cavy and First Annual Poultry 4-H Club Fall show are due: reno_rabbits@yahoo.com.
5  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
6  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
7  Comstock Explorers, Roasting House - Virginia City, 5:00 – 7:30 p.m.
8  Sixth Annual Reno Rabbits, Cavy and First Annual Poultry 4-H Club Fall Show, Multipurpose Room, Cold Springs Middle School, 18235 Cody Court, Reno
8  Comstock Hot Shots, Virginia City Senior Center, 9:00 – Noon, Ice House 1:00 – 4:00 p.m.
9  Comstock Hot Shots, Virginia City Senior Center, 9:00 – Noon, Ice House 1:00 – 4:00 p.m.
10 4-H Council, UNCE Conference Room, 6:30 – 8:00 p.m.
11  Veterans Day, office closed
12  Carson / Storey 4-H Leaders’ Council Meeting, UNCE Conference Room, 6:30 – 8:00 p.m.
13 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
14  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
15  Comstock Hot Shots, Virginia City Senior Center, 9:00 – Noon, Ice House 1:00 – 4:00 p.m.
16  Comstock Hot Shots, Virginia City Senior Center, 9:00 – Noon, Ice House 1:00 – 4:00 p.m.
17  Target Rippers, Fuji Exhibit Hall, 6:30 – 9:00 p.m.
18  Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
20 4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
21  Comstock Explorers, Roasting House - Virginia City, 5:00 – 7:30 p.m.
27  Thanksgiving, office closed
28  Family Day, office closed

Donate to Toys for Tots now through November at:
Ron Woods Family Resource Center
2621 Northgate Lane, Suite 62, Carson City

Contact Us: 887-2252
Carson City / Storey County
2621 Northgate Lane, # 15
Carson City, NV 89706
Fax: 775-887-2065

Extension Educator
JoAnne Skelly
skellyj@unce.unr.edu

4-H & Youth Programs
Sandra Wallin
wallins@unce.unr.edu

4-H & Youth Programs
Jim Barcellos
barcellosj@unce.unr.edu

E-zine Editor
Teri Spraggins
spragginst@unce.unr.edu

The University of Nevada, Reno is an EEO/AA institution. University of Nevada Cooperative Extension encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact us, 887-2252, in advance of your participation or visit.
December

1  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
3  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
5  Comstock Explorers, Roasting House – Virginia City, 5:00 – 7:30 p.m.
6  Parade of Lights, float decorating Virginia City Senior Center
& behind Roasting House, 3:00 p.m. Pot Luck Dinner follows at each site
8  Carson / Storey 4-H Leaders Council, UNCE Conference Room, 6:30 – 8:00 p.m.
10  Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
12  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
15  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
19  Comstock Explorers, Roasting House – Virginia City, 5:00 – 7:30 p.m.
25  Christmas, office closed

January

1  New Year’s Day, office closed
5  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
7  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
8  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
9  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
12  Carson / Storey 4-H Leaders Council, UNCE Conference Room, 6:30 – 8:00 p.m.
14  Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
15  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
16  Comstock Explorers, Roasting House – Virginia City, 5:00 – 7:30 p.m.
17  Fabric/Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. – 4:00 p.m.
19  MLK Birthday, office closed
   Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
22  4 Paws, UNCE Conference Room, 6:30 – 8:00 p.m.
23  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
24  Fabric/Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. – 4:00 p.m.
**Clean Out That Attic or Basement**

Carson City / Storey County 4-H Council is collecting reusable, clean rummage and fabric, sewing and craft notions for the Annual Fabulous Fabric and Rummage Sale fund raiser. Drop off dates this year are January 17 and 24 and February 6 at Fuji Exhibit Hall from 10:00 a.m. - 4:00 p.m. Items can also be dropped off at the Carson City Cooperative Extension Office, 2621 Northgate Lane, Suite 15 anytime during the week, 8:00 a.m. - 5:00 p.m. from now until the sale date.

The event takes place February 7 and 8, 2015. Help our 4-H’ers on their way to their higher education goals and get a tax deduction. It’s a terrific win/win. Call Jim or Sandy at 887-2252 for more information.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

**Dates to Remember:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 17</td>
<td>Fabric/Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.</td>
</tr>
<tr>
<td>January 24</td>
<td>Fabric/Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.</td>
</tr>
<tr>
<td>February 6</td>
<td>Fabric/Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.</td>
</tr>
<tr>
<td>February 7</td>
<td>Fabric/Rummage Sale, Fuji Exhibit Hall, 9:00 a.m. - 4:00 p.m.</td>
</tr>
</tbody>
</table>

**Fabric Sale, 2014**
4-H National Science Experiment 2014

Build Day
October 4    10:00 a.m.-1:00 p.m.
Boys and Girls Club, 1870 Russell Way
Carson City

Presentation
October 8    6:00-8:00 p.m.
Carson City Cooperative Extension
Conference Room

Getting started!
Above and Below: Jim explains (clockwise) to Bryar, Vanessa, Rylan, Dean and Miguel.

Left top, left bottom and below: assembling the launcher.
Dean got some air!

Rylan’s turn

Miguel shoots

Presentation
For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.
For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

- Comstock Hot Shots
- Cook Lovers
- Comstock Explorers Community Club

**Additional Programs**

- USDA Science Curriculum Afterschool Programs
- Nevada State 4-H Camp
- 4-H Ambassadors

**Carson City / Storey County**

**2013-2014 4-H Clubs**
Kick Off The Holiday Season at Virginia City Parade of Lights, December 6

Carson City / Storey County 4-H'ers are making plans for two floats in the 2014 Virginia City Parade of Lights. The Parade of Lights will be held, Saturday, December 6 in Virginia City. As in previous years, all Carson City 4-H members are invited to ride with Comstock Hot Shots and share in a pot luck following the parade at the Virginia City Senior Center. Youth wanting to be on this float need to be at the Senior Center by 3:00 p.m. to help decorate.

Comstock Explorers, our new Storey County 4-H Community Club, will have a float as well. All Explorers need to be at the Roasting House by 3:00 p.m. in order to decorate their float. There will be a Holiday party at the Roasting House following the parade. All 4-H'ers and their families need to dress for cold weather. Get ready for a fun time in this annual event.

For information on the 4-H floats in the Virginia City Parade of Lights please contact Sandy Wallin, 887-2252.
December
1  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
3  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
5  Comstock Explorers, Virginia City Roasting House, 5:00 – 7:30 p.m.
6  Parade of Lights, Comstock Explorers, Virginia City Roasting House, 3:00 p.m.
    Parade of Lights, all CC / SC 4-H, Virginia City Senior Center, 3:00 p.m.
10 Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
12 Portfolios / record books due by 5:00 p.m. to office
    Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
15 Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
19 Comstock Explorers, Virginia City Roasting House, 5:00 – 7:30 p.m.
25 Christmas Day, Office Closed
26 Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.

Time To Turn in Portfolios / Record Books

Carson City / Storey County 4-H’ers are asked to turn in their 2013-2014 portfolios or record books by Friday, December 12 at 5 p.m. Youth are reminded to get the necessary signatures of parents and leaders prior to turning them in. Some portfolio or record book binders are available at the office at no fee. Call the office if you need one.

Keeping records of your 4-H year is a valuable and basic part of 4-H. All 4-H’ers should be documenting their goals, progress and frustrations with their project.
January
1  New Year’s Day, office closed
5  Target Rippers, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
7  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
8  4 Paws, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
9  Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
12 Carson / Storey 4-H Leaders Council, UNCE Conference Room, 6:30 – 8:00 p.m.
14 Carson Cluckers, UNCE Conference Room, 6:30 – 8:00 p.m.
15 2013-2014 Awards, Fuji Exhibit Hall, 6:30 – 8:00 p.m.
16 Comstock Explorers, Roasting House - Virginia City, 5:00 – 7:30 p.m.
17 Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. – 4:00 p.m.
19 MLK Birthday, office closed
22 4 Paws Business Meeting, UNCE Conference Room, 6:30 – 8:00 p.m.
23 Carson Hot Shots, Capital City Gun Club, 6:00 – 9:00 p.m.
24 Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. – 4:00 p.m.

2013-2014 4-H Awards Ceremony

The 2013-2014 Carson City/Storey County 4-H Awards Ceremony takes place Thursday, January 15, 2015 at Fuji Exhibit Hall. Attendees need to arrive by 6:00 p.m. 4-H’ers are asked to wear 4-H dress (clean jeans or dark pants and white shirt with green tie) or business attire. Silver Sage Community Club will act as Masters of Ceremony for the event. Comstock Hot Shots and Carson Hot Shots will present the colors.

We will once again have a pipe and drape backdrop for clubs to take project club pictures. Clubs can chose to sit together and decorate their tables for the event. We are in need of a podium for this year’s event. If you have access to one or know where we can locate a good used podium, please call the office.

Join the fun, see friends and celebrate your project successes and learning experiences. Circle the date and plan to attend the 2013-2014 Carson City / Storey County 4-H Awards Ceremony.
February
2  Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
4  Bouncing Bunnies, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
5  4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
6  Comstock Explorers, Virginia City Roasting House, 5:00 - 7:30 p.m.
   Carson Hot Shots, Capital City Gun Club, 6:00 - 9:00 p.m.
11 Carson Cluckers, UNCE Conference Room, 6:30 - 8:00 p.m.
12 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
13 Fabric / Rummage drop off / set up, Fuji Exhibit Hall, 9:00 a.m. - 4:00 p.m.
14 Fabric / Rummage Sale Fund Raiser, Fuji Exhibit Hall, 9:00 a.m. - 4:00 p.m.
15 Fabric / Rummage Sale Fund Raiser, Fuji Exhibit Hall, 9:00 a.m. - 1:00 p.m.
16 Presidents Day, office closed
   Target Rippers, Fuji Exhibit Hall, 6:30 - 8:00 p.m.
19 4 Paws, Fuji Exhibit Hall, 6:30 - 8:00 p.m.

Clean Out That Attic or Basement

Carson City / Storey County 4-H Council is collecting reusable, clean rummage and fabric, sewing and craft notions for the Annual Fabulous Fabric and Rummage Sale fund raiser. Drop off dates this year are January 17 and 24 and February 13 at Fuji Exhibit Hall from 10:00 a.m. - 4:00 p.m. Items can also be dropped off at the Carson City Cooperative Extension Office, 2621 Northgate Lane, Suite 15 anytime during the week, 8:00 a.m. - 5:00 p.m. from now until the sale date. The event takes place February 14 and 15, 2015. Help our 4-H’ers on their way to their higher education goals and get a tax deduction. It’s a terrific win / win. Call Jim or Sandy at 887-2252 for more information.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Dates to Remember:

January 17  Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.
January 24  Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.
February 13 Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.
February 14  Fabric / Rummage Sale, Fuji Exhibit Hall, 9:00 a.m. - 4:00 p.m.
February 15  Fabric / Rummage Sale, Fuji Exhibit Hall, 9:00 a.m. - Noon
Hooray for the Fair!

The outstanding response from attendees and exhibitors at last year’s Nevada 150 Fair was a driving force in getting the event approved for 2015 and 2016. The website is undergoing an update and should be ready for viewing by the end of the month. The Carson City Fair Committee is currently at work on the 2015 summer event scheduled for July 30 – August 2 at Fuji Park and Carson City Fairgrounds. This year’s theme “Faces of Nevada” includes a continuing emphasis on Nevada Agriculture. Quilters, crafters, artists and cooks need to plan ahead for the 2015 entries. The Carson City Fair Committee plans to expand use of Fuji Exhibit Hall to include more home arts and possibly cooking demonstrations as well as even more family friendly and fun events.

The livestock show and auction will continue to be a major portion of the event, expanding the shows for Beef, Dairy, Sheep, Swine, Goats, market Rabbits and Poultry. 4-H and FFA members need to plan the purchase and work with animals to be ready for entry.

Mark your calendars, catch the excitement and get ready for the 2015 Carson Fair. Call Sandy Wallin 887-2252 for more information.

Fuji Park and Carson Fairgrounds 2015 Important Dates

*January 15      Carson / Storey 2013-2014 Awards, Fuji Exhibit Hall, 6:00 p.m.  
January 17    Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.  
January 24    Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.  
February 13    Fabric / Rummage Drop Off, Fuji Exhibit Hall, 10:00 a.m. - 4:00 p.m.  
February 14    Fabric / Rummage Sale, Fuji Exhibit Hall, 9:00 a.m. - 4:00 p.m.  
February 15    Fabric / Rummage Sale, Fuji Exhibit Hall, 9:00 a.m. - Noon  
*April 15        Farm Days set up, Fuji Exhibit Hall & Carson Fairgrounds, 8:00 a.m. - 2:00  
April 16 & 17    Farm Days, Fuji Exhibit Hall & Carson Fairgrounds, 8:00 a.m. - 2:00 p.m. daily  
June 20        4-H Rabbit and Cavy Show (tentative), Fuji Exhibit Hall, 7:30 a.m. - 4:00 p.m.  
July 30 – August 2 “Faces of Nevada” Fair, Fuji Park Exhibit Hall and Fairgrounds, daily  
October 16      4-H Fun Night, Fuji Exhibit Hall, 5:00 - 10:00 p.m. (tentative)  

(*Many thanks to 4 Paws 4-H dog club for giving us their reservation date.)
Ho, Ho, Ho — It’s Off to the Garden We Go!

Carson City 4-H is laying the groundwork to begin a new 4-H Junior Master Gardener club. Our new leader is taking her training and a great site for the garden has been offered.

The Junior Master Gardener program is so much more than digging in the dirt, although that is a large part of the project. 4-H’ers will learn what makes gardens grow from the bottom up: how plants grow and develop, what makes good soil, insects (good guys and bad guys), landscape horticulture, garden or landscape (Is there a difference?) and so much more.

This project area will also include a section on nutrition and how to eat healthy. The winter months are the perfect time to begin to design the site and decide what seeds we need to buy for good eats throughout the summer. Sign up for this brand new club in Carson City now. Call Sandy Wallin 887-2252.

4 Paws Welcomes New Leader

4 Paws 4-H dog club wishes to say ‘thank-you’ to Sara Anderson for her many years of dedication working as the leader / trainer with 4 Paws youth. The club welcomes Annamarie Theuret as their new leader / trainer. Annamarie brings her many years of experience as a 4-H’er enrolled in 4 Paws from a young age. She is excited to partner with Kelly Figueroa and work with the club in her new role. Kelly and Annamarie invite any and all to come by and say hi and see what’s up with 4 Paws in the 2014-2015 4-H year. For information on or to join 4 Paws 4-H dog club call Sandy Wallin, 887-2252.
Rockets to the Rescue, the 2014 National Science Experiment, will be the guide for non-club articles in this year’s e-zine articles. We hope you enjoy our articles, written by 4-H’er Rylan Fancher.

We welcome photo and article submissions by all members!!!

Saga of Rocketry
By Rylan Fancher

Last month four members of the Silver Sage Community Club participated in the 2014 National 4-H Science Experiment about rockets! Dean and Vanessa Poppenga, Bryar Fancher and I learned how to make a rocket and generate power from air trapped in a soda bottle. Now we will learn more about rocketry.

The history of rocket vehicles goes back to China in the 13th century. Gunpowder invented by Chinese alchemists in the 9th century led to rocket propulsion. Western civilization claims the first rocket flight in 1865, but as early as 1232 Chinese used fire arrows and ‘iron pots’ that could be heard for 15 miles on impact. These aren’t what we think of when we see arrows on fire being shot in old western movies.

One of the earliest devices using internal rocket propulsion was the ‘ground rat’ surface running torpedo. It is believed that ‘rocket festivals’ were key to spreading rocket technology in the Orient. Genghis Khan brought it to Russia, Eastern and Central Europe. This all happened relatively fast with the Ottomans, Arabs and Italians all developing uses for gunpowder and propulsion in the late 1200s through the 1300s.

The first iron-cased and metal-cylinder rocket artillery came from an Indian ruler of the Mysore Kingdom in the 1780s. He employed these devices in a war with the British East India Company who brought the technology to England where development continued into the 19th century.

The main figure given credit for advancing the accuracy of early rockets was William Congreve, son of the Comptroller of the Royal Arsenal. His Congreve rocket was used by the British in the American Revolution and were the “rockets red-glare” described by Francis Scott Key in our national anthem. These rockets used a long stick at the end to help maintain trajectory.
Rockets to the Rescue, the 2014 National Science Experiment, will be the guide for non-club articles in this year's e-zine articles. We hope you enjoy our articles, written by 4-H'er Rylan Fancher.

We welcome photo and article submissions by all members!!!

**Saga of Rocketry**  
**By Rylan Fancher**

Manned rocketry experiments started in the 16th century China and continued everywhere rockets were being used for war. In 1903, a high school math teacher in Russia, Konstantin Tsiolkovsky, published the first serious scientific work on space travel and the main principle in rocket propulsion is the Tsiolkovsky Rocket Equation. Robert Goddard is an American scientist, engineer, inventor credited with the first liquid fuel rocket. He is called ‘the man who ushered in the Space Age.’ In the 1920s, rocket research exploded across Europe, the United States and Russia.

A lot of this work continued into and saw the development of major weaponry in WWII. The German scientist, Werner von Braun, developed long-range A-series rockets for the Nazis. The end result was the V-2 rocket with a range of 190 miles and a 2200 pound warhead. While thousands were fired at Allied countries, the inaccuracy failed to make this an effective military weapon. It did show the potential for guided rockets as weapons. Other German programs included rockets for vertical take-off for airplanes and for powering them. They also had several guided and non-guided air-to-air, ground-to-air, and ground-to-ground missiles. The Allies were much less advanced relying on the Russian Katyusha rocket.

After WWII, the victorious British, Russian and Americans raced to capture German personnel from the rocket program. The United State captured scientists including Werner von Braun. They were used in Operation Paperclip and took the V-2 technology to create the American Redstone rocket, used in our early space program. Rockets also aided the study of high-altitude conditions, by radio telemetry of temperature and pressure of the atmosphere, and for detection of cosmic rays. Russia continued to make major advances based on the V-2 technology as well. They developed the first intercontinental ballistic missile (ICBM), the R-7. This rocket launched the first satellite, Sputnik, and also launched Yuri Gagarin, the first man into space, as well as the first lunar and planetary probes. This rocket is still in use today.
Rockets to the Rescue, the 2014 National Science Experiment, will be the guide for non-club articles in this year's e-zine articles. We hope you enjoy our articles, written by 4-H'er Rylan Fancher.

We welcome photo and article submissions by all members!!!

Saga of Rocketry
By Rylan Fancher

The Cold War existed on the threat of mutual destruction using ICBMs. Both the Soviet Union and the United States (and allies) built up the numbers and locations of these weapons into a stand-off.

Both sides continued their race-to-space and accomplished space exploration, pictures of the far side of the moon and Mars exploration. The United State programs - Project Mercury, Project Gemini, and Project Apollo, gave us the first manned landing on the moon in 1969. This ultimately led to the Space Shuttle program.

In the current day, rockets are still a mainstay in military weaponry. Economically rockets enable all of our high-tech lifestyles with satellites in navigation, telecommunications and even weather forecasting. The knowledge of the Universe has increased significantly over the last 30 years.

Next month, we get to learn more about the uses for rockets.

Sources:

For more information check this out:
Franklin Institute Space Science Hotlist
  http://learn.fi.edu/learn/hotlists/space.php
  Solar System: Planets
  Travel/Exploration
  Background Information and Facts
  Images
Carson City / Storey County
2013-2014 4-H Clubs

For information about these clubs or meeting times and locations, call Jim or Sandy at the Extension office, 887-2252.

Arrowhead Livestock Club
Carson Cluckers Poultry Club
Carson Bouncing Bunnies
Carson Hot Shots
Carson Target Rippers
4 Paws Dog
Silver Sage Community Club
Carson City / Storey County
2013-2014 4-H Clubs

For information about these clubs or meeting times and locations, call Jim or Sandy, 887-2252.

**Story County Programs**

Comstock Hot Shots

**Additional Programs**

USDA Science Curriculum Afterschool Programs

Cook Lovers

Nevada State 4-H Camp

Comstock Explorers Community Club

4-H Ambassadors