STEAM Expo 2019 in Review
Teena Corker, Associate Superintendent, Educational Services/STEAM Team Leader

On Saturday, April 6th, NCSOS opened the doors of the Main Street Center at the Nevada County Fairgrounds and the Northern Mines Building and welcomed approximately 2000 visitors to the 4th STEAM Expo 2019. Inside, students were able to compete in on-the-spot robotics competitions, experience hands-on math challenges, create with 3D printers, assemble and launch paper hot air balloons, code and control robots, experience science-based art projects and play musical instruments from flutes to tubas. Families and other visitors enjoyed perusing student competition displays, local classroom STEAM art projects, free bicycle tune-ups by local students, musical performances by our local youth, and much, much more.

New this year was the partnership between NCSOS and the Nevada County Tech Connection, Economic Resource Council and Cranmer Industries in bringing local industries raising awareness of the link between educational goals and dreams and the career opportunities provided by local businesses and organizations. Students were able to experience green screen video making, create original art, learn how to separate soil through sifters, learn about the local watershed, wear 3D virtual glasses, see the power of solar energy and so much more that we haven’t listed here.

Continued on page 2
STEAM continued from page 1

Since its first year, NCSOS still maintains the STEAM education philosophy of a STEAM framework for teaching is based on natural ways of learning, customizable for ALL types of students and programs and is FUNCTIONAL! Shifting to a STEAM perspective means understanding learning contextually; not only in terms of having a framework that illustrates where the subjects overlap, but also in providing a living and adaptable learning structure for ever-changing personal and global development.

Planning for the Expo began by reaching out to Nevada County schools, local businesses, community members, and others who use or have vested interests in the type of educational opportunities STEAM encourages. The response is growing every year, with this year being the largest yet for having hands-on activities for attendees to experience. Students brought in their science projects, investigations, and problem solving challenges in the categories of Scientific Inquiry, Rube Goldberg Machines, Environmental/Agricultural Innovation, Science Fiction, Robotics/Computer Science, Reverse Engineering, Problem Solving and Design in Math, and Invention. These students proudly delivered their products to the event site to be judged. On the eve of the Expo, county board members, retired teachers, community members, principals, local engineers, and NC Arts Council members evaluated and scored each and every eligible student submission.

Continued on page 4
FAFSA Challenge Award  The NCSOS Foster Youth Services (FYS) department has branches of services extending to the Nevada County Independent Living Program and the Transitional Housing Plus Program. The FYS team was delighted to receive the Free Application for Federal Student Aid (FAFSA) Federal Student Aid challenge completion award for “very small county”, which included our high school seniors in Nevada County. Helena Heinzelman is the Foster Youth Program Specialist and assisted all of our foster youth in completing their FAFSA applications in hopes that they will transition smoothly to college. Through the FAFSA challenge, our program earned $500 to use for our students that did the work. Our FYS staff is humbled to accept this award on behalf of Nevada county’s foster youth. We wish to thank John Burton, advocates for Youth, for launching and rewarding the work of our students. We also want to thank the administrators, specialists, case managers, advocates, receptionists, support staff, and any other important persons in the youths’ lives that work hard on behalf of our foster youth.

“Nevada County won the very small county category, with 100% of its high school seniors in foster care completing the FAFSA. Tulare County won the small county category, with a 92% completion rate; Fresno County won the medium-sized county category with 83%; and San Bernardino County won the large county category, coming in at 52%. Placer County received the most improved award with a 71% completion rate. These county offices of education each received $500-$1,000 to supplement activities designed to support foster youths’ successful transition into college.

The California Foster Youth FAFSA Challenge was first launched in 2017 in response to foster youth leaving millions of dollars of financial aid behind each year, even though they almost always qualify. Counties are continuing to help foster youth complete the FAFSA, and a second set of awards will be given after the end of the school year.” John Burton Advocates for Youth.

GREAT SUMMER YOUTH ACADEMY
Space is Limited!
When: Session #1) 6th Graders: July 8th–12th
Session #2) 7th & 8th Graders: July 15th–19th
Application deadline: May 22nd
Where: Drop off applications at:
FRC,235 S.Auburn St. Grass Valley OR
NEO 139 Joerschke Dr. Grass Valley

2019 GREAT SYA application
STEAM continued from page 2

The NCSOS STEAM Expo 2019 closed with an awards ceremony during which over 50 students were recognized for their work in each STEAM category. In addition, student winners who participated in the TechTest Jr. math competition held in early March were recognized. Congratulations to all the category winners, schools and organizations who brought in their amazing hands-on exhibits. Forty-five Leonardo Da Vinci Awards were given for outstanding artistic communication of the students’ processes and products. NC Tech Connection awarded the winner of a raffle competition with a new drone. The Nevada Irrigation Department and Nevada County Engineers’ Association distributed cash awards for the top three student submissions that demonstrated excellence in engineering, and three projects were selected to move on to the California State Science Fair to be held in Los Angeles in April.

NCSoS would like to thank our sponsors for their support (many of whom were exhibitors at the STEAM Expo): American Association of University Woman (AAUW), AJA Video Systems, Autometrix, California Solar Electric Company, Geo-Logic Associates, Grass Valley, A Belden Brand, Grass Valley Police Department, Music in the Mountains, Nevada Irrigation Department, Nevada City Film Festival, Sierra Soil Biology Association, Sierra Streams Institute, South Yuba River Citizen’s League (SYRCL) Telestream, and Traitware. I would also like to thank the entire STEAM Expo 2019 Committee, all volunteers who came to help set-up, break-down and judge some of the exhibits.

STEAM Expo 2020 has been tentatively scheduled for March 28, 2020! Details will be rolled out in the fall, but all information needed by teachers, to prepare students for STEAM Expo 2020, can be found at:

2020 STEAM Expo
NID Offers 6-month internships in way of District Scholarship Program

The Nevada Irrigation District (NID) has graciously taken the lead in piloting a 6 month paid internship via the Nevada Joint Union High School District (NJUHSD) scholarship program by offering two scholarships to be awarded to the Class of 2019 and setting the trend for more local businesses to follow suit. This year, graduating seniors within the school district were offered the opportunity to submit their district scholarship application and their letter of interest to NID through the district's Scholarship Coordinator, Kimala DeSena. Organized by NID's HR Director, Jana Kolakowski, department managers at NID recently hosted an informal presentation to interested scholarship applicants about the history, purpose and future of the District. Insight into the different District divisions and careers were shared and the overall career outlook in water and hydroelectric agencies. Next step will be a half-day tour of the hydroelectric facility, as well as other NID locations, to give the interested candidates a hands-on view of potential internship positions possible with NID. Last step will be a panel interview before NID decides who of the two final recipients will be chosen. Recipients will be awarded at their school's awards night next month in May.

If you are an interested business or organization that would like to know more about offering local scholarships to the NJUHSD high school sites, please contact Kimala DeSena, Scholarship and Fund Development Coordinator for more information at (530)273-3351 x224 or kdesena@njuhsd.com.

Editor's Note: Celebrate Our Students

On Sunday, March 24th I had the pleasure of attending a matinee performance of the Lyman Gilmore Middle School’s musical production, “Beauty and the Beast Jr.” The performance was directed by Becky Browning, Lyman Gilmore’s Musical Theater Teacher, and was held at Nevada Union’s Don Baggett Theater. The play was very well attended with an audience consisting of folks spanning all ages.

Beauty and the Beast Jr. is based on the Tony award winning Broadway production of the Disney tale. This play shares a valuable storyline, particularly for impressionable youth who are entering a new strata of social development. The message is vitally clear: practice tolerance of others and seek personal transformation.

Approximately 70 students participated in the play, including several elementary school aged performers. Everything about this performance was stellar – the costumes were beautiful and looked professionally crafted; the stage sets were complex, scene by scene they were perfectly suited. What impressed me most was the caliber of the acting. The student performers clearly had expert direction and guidance, not only in spoken word and song, but in physical comedy and staging as well.

BRAVO to all who had their hand in making this production a great success. With my hand(s) I offer two thumbs up!!

Here is another cue to get out there and celebrate our remarkable community of shining stars!

Sharon Shafran, Editor—The Nugget
The 2nd Annual Nevada County Schools Job Fair took place on Saturday, March 23rd and was a huge success. We had over 150 job seekers attend. In total, schools were recruiting for over 50 positions.

Participants:
- Chicago Park
- Clear Creek
- FIELD Grass Valley
- Nevada City School of the Arts
- NCSOS
- Nevada Joint Union
- Pleasant Ridge
- Union Hill
- Sierra Academy of Expeditionary Learning

Also in attendance to showcase their credential programs:
- Brandman University
- CalState TEACH
- National University

We received positive feedback from our schools, stating the event was well organized, very productive, successful, a wonderful experience, and “totally worth it”.

Thank you to all who participated.
This was truly a team effort and we want to thank everyone involved!

More Information

Ends May 22nd.
Don’t miss this excellent youth Art Exhibition.
The Nevada Joint Union High School District, along with the American Legion Frank Gallino Post 130 would like to congratulate the following students who were nominated, interviewed and selected to represent their schools at the upcoming California Boys & Girls State Conferences this June at Sacramento State University. These students were nominated by the staff of their high schools as students who are in their junior year, have high moral character, show strong leadership abilities, demonstrate above-average scholastic achievement and are keenly interested in government and current events. The final selections were chosen by a panel interview. We are so proud of them. If chosen at Boys & Girls State Conferences, they would go on to Boys & Girls Nation in Washington D.C., along with opportunities for scholarships.

**The selected students are:**
2019 Delegate: Michael Keene, Ghidotti Early College High School
2019 Delegate: Cole Retzler, Ghidotti Early College High School
2019 Delegate: Mitchell Pelline, Ghidotti Early College High School
2019 Delegate: Triston Koch, Nevada Union High School
2019 Delegate: Sam Walker, Bear River High School
2019 Delegate: Jacob Knox, Bear River High School
2019 Delegate: Blake Hammond, Forest Lake Christian High School
2019 Delegate: Eli DeYoung, Forest Lake Christian High School
1st Alternate: Coal Barker, Nevada Union High School
2nd Alternate: Wyatt Ronk, Bear River High School
3rd Alternate: Samuel Johnson, Nevada Union High School

**The selected students are:**
2019 Delegate: Faith Tannenbaum, Nevada Union High School
1st Alternate: Bella Hall, Nevada Union High School
2nd Alternate: Alma Ramirez Santos, Nevada Union High School
2019 Delegate: Katelyn Lorenzo, Bear River High School
1st Alternate: Sonora Slater, Bear River High School
2nd Alternate: Grace Billingsley, Bear River High School
2019 Delegate: Emily Cook, Ghidotti Early College High School
1st Alternate: Cassandra Bryan, Ghidotti Early College High School
2nd Alternate: Sarai Devi Dasi, Ghidotti Early College High School

The following STEAM Expo contestants qualified to attend the CA State Science& Engineering Fair:

1st place: (tie)
Faith Day Union Hill 7th grade
Trevor Buti Mt. St. Mary 7th grade
Luke Billingsley Mt. St. Mary 7th grade

2nd place:
Gabriella Biittner Chicago Park 8th grade

3rd place: (tie)
Madeline Larson Union Hill 7th grade
Jamey Reeser Grass Valley Charter 6th grade
AAUW—Tech Trek Summer Program

The American Association of University Women (AAUW) sponsors Tech Trek, an exciting, week-long residential science, technology, engineering, and math (STEM) camp created specifically for 7th grade girls who show an interest in these fields.

The camp is held during the summer prior to their 8th-grade school year. This offers a unique opportunity for these students to experience life on the UC Davis campus while participating in hands-on activities, mini-labs, on-campus field trips, and more.

Thank you to all of the school nomination teams that shared potential candidates. Interested nominees completed the camp application, including an essay on the prompt topic and were interviewed by the AAUW Tech Trek Team.

The following seven students have been selected to attend the 2019 Tech Trek this summer, July 21-27:

- Kya Bommersbach, Chicago Park School
- Gina Genovese, Magnolia Intermediate School
- Melina Handon, Seven Hills Middle School
- Mei Lin Heirendt, GV Charter School
- Angela Martinez, Lyman Gilmore Middle School
- Sidney Pixley, Union Hill Middle School
- Madilyn Thaggard, Lyman Gilmore Middle School

A Note To Teachers:

Student Summer Reading & Beyond

Many teachers provide summer reading lists to their students. Some lists are required reading for the upcoming year and some for more general preparedness and enjoyment.

Each year in late July and early August, students make requests from local vendors for books required for their new school year reading list. This is especially true for AP English required reading.

Being proactive, the Book Seller bookstore in Grass Valley has come up with an idea, offering to create a Summer Reading link on their website that would include teachers’ lists, according to school site.

Teachers—please submit your reading lists to the Book Seller by the end of May. You may do so as follows:

Email: thebooksellergv@yahoo.com
Phone: Angie—272-2131

Be sure to include:
- Your Name
- School Name & District
- Which class each book pertains to
What’s Happening This Summer?

- Summer Camp Program Listings
- Family Activities
- Spring in with Nature
- Fun and Easy Birding Activities
- Swim Safely
- See & do
- Blastoff for Reading - NC Library

Learn More

Summer Camp & Activities Fair

What: 8th Annual Summer Camp & Activities Fair
When: Saturday, May 4th, 2019
Time: 10:00am—2:00pm
Where: Nevada City Veteran’s Building—415 No. Pine Street, Nevada City

This event is hosted by Nevada City Parks & Recreation and Parents’ Resource Guide. The event has proven to be beneficial for parents and for vendors who provide summer camps or activities for children. It is an opportunity for parents to talk with many summer camp providers in one day, at one place. You don’t have to spend time searching online or making phone calls—you can talk directly with the people who will spend time with your children at camp. There is a raffle with many great prizes (do not need to be present to win) and there are opportunities to receive free raffle tickets. We are excited to see all Nevada County parents and children on May 4th.
Sierra College’s Nevada County Campus is offering free immigration legal consultations in partnership with the Undocumented Student Center. The service will be occurring on Thursday, 5/2 from 2-6:30. Appointments can be scheduled at undocu@sierracollege.edu or 916-660-7557. These services are also provided in Rocklin every Thursday and students can email or call to set up appointments at other times.

English flyer  Español

PG&E STEM High School Program
Webinars first Wednesday of the month - REGISTER

Family Fun in the Garden
Sierra Harvest Event Calendar

Harvest of the Month (HOM)
May HOM details: Strawberries!

Pickup Date: Tuesday, May 7, 7:30am - 5pm
Location: Sierra Harvest office, 313 Railroad Ave.
Farmer: JSM Organics, Aromas, CA
Serving Size: Each class gets 2 clamshells of strawberries.

Do You Qualify for One Year of Free Tuition?

Grass Valley School District - Child Nutrition Program
Monthly Updates * School Lunch Menus
Nutrition and Education Information
* More Information

Submissions for future issues:
Have you something to share in future issues of The Nugget?
Please submit your request by the 15th of the preceding month for inclusion in the following issue.

Email: sshafran@nevco.org
Calendar events have been highlighted in previous editions of The Nugget and are listed in chronological order. Back issues of The Nugget, with additional information, can be found at The Nugget Back Issues.

**CPR/AED/First Aid Skills Demo Check Class**

<table>
<thead>
<tr>
<th>DATE</th>
<th>CLASS DESCRIPTION</th>
<th>TIME</th>
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</thead>
<tbody>
<tr>
<td>Wed, May 8, 2019</td>
<td>CPR/AED/First Aid Skills Demo check</td>
<td>3:45 p.m. – 5:45 p.m.</td>
</tr>
<tr>
<td>Thurs, May 23, 2019</td>
<td>CPR/AED/First Aid Skills Demo check</td>
<td>3:45 p.m. – 5:45 p.m.</td>
</tr>
<tr>
<td>Wed, June 5, 2019</td>
<td>CPR/AED/First Aid Skills Demo check</td>
<td>3:45 p.m. – 5:45 p.m.</td>
</tr>
<tr>
<td>Thurs, June 13, 2019</td>
<td>CPR/AED/First Aid Skills Demo check</td>
<td>3:45 p.m. – 5:45 p.m.</td>
</tr>
<tr>
<td>Tue, July 9, 2019</td>
<td>CPR/AED/First Aid Skills Demo check</td>
<td>3:45 p.m. – 5:45 p.m.</td>
</tr>
<tr>
<td>Thurs, July 25, 2019</td>
<td>CPR/AED/First Aid Skills Demo check</td>
<td>3:45 p.m. – 5:45 p.m.</td>
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The cost of the class is $45.00 and must be paid PRIOR to us sending you a link to the on-line course – we accept exact cash or check only. NOTE: the fee is non-refundable.

You can either stop by our office to pay or mail the check - payable to NCSOS.

Please do not mail cash.

Mail checks to: NCSOS 380 Crown Point Circle, Grass Valley, CA 95945 ATTN: CPR.

Register online. For more information contact Faith Yamamoto at fyamamoto@nevco.org

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**Kindergarten Roundup Info Here**

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**Volunteer tutors needed!**

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**PARTNERS Family Resource Centers**

A PLACE WHERE NEVADA COUNTY FAMILIES GATHER FOR SUPPORT, INFORMATION, & FUN!

FREE SUPPORT FOR FAMILIES

Grass Valley
235 S. Auburn St.
530-279-4059

Penn Valley
10862 Spenceville Rd.
530-432-1118 x249

San Juan Ridge
18847 Oak Tree Rd.
530-292-3174

MORE INFO
<table>
<thead>
<tr>
<th>Number</th>
<th>Event</th>
<th>Year</th>
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<tbody>
<tr>
<td>1</td>
<td>England releases the 1st adhesive postage stamp</td>
<td>1840</td>
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<td>1</td>
<td>The first wagon train leaves Independence, MO for California</td>
<td>1841</td>
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<td>1</td>
<td>The Empire State Building was dedicated.</td>
<td>1931</td>
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<td>1</td>
<td>Cereal food &quot;Cheerios&quot; hits store shelves</td>
<td>1941</td>
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<td>1</td>
<td>Mr. Potato Head is introduced.</td>
<td>1952</td>
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<td>2</td>
<td>Good Housekeeping Magazine first hits the newsstands.</td>
<td>1885</td>
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<td>3</td>
<td>Margaret Mitchell wins Pulitzer prize for &quot;Gone With the Wind.&quot;</td>
<td>1937</td>
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<td>4</td>
<td>Phonograph is played for the first time at the Grand Opera House.</td>
<td>1878</td>
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<td>5</td>
<td>Mexican forces under Benito Juarez defeated French troops in the Battle of Puebla.</td>
<td>1862</td>
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<td>5</td>
<td>Cinco de Mayo</td>
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<td>5</td>
<td>Alan Shepard rides &quot;Freedom 7&quot; to becomes 1st American in space.</td>
<td>1961</td>
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<td>6</td>
<td>John Deere produces the first steel plow.</td>
<td>1833</td>
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<td>7</td>
<td>George Eastman patents the Box Camera.</td>
<td>1888</td>
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<tr>
<td>8</td>
<td>The U.S. Post Office is established.</td>
<td>1794</td>
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<tr>
<td>8</td>
<td>Mad Magazine hits the newsstands.</td>
<td>1952</td>
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<td>9</td>
<td>The syrup for Coca Cola is invented by Atlanta Pharmacist John Styth Permerton.</td>
<td>1886</td>
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<tr>
<td>10</td>
<td>The first color pictures of Earth from space are sent back from Apollo 10.</td>
<td>1969</td>
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<td>10</td>
<td>Nelson Mandela becomes South Africa's first black president.</td>
<td>1994</td>
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<tr>
<td>12</td>
<td>The flush toilet is patented.</td>
<td>1792</td>
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<tr>
<td>14</td>
<td>The first U.S. space station, &quot;Skylab&quot; is launched.</td>
<td>1973</td>
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<td>15</td>
<td>Regular airmail service inaugurred (between New York, Philadelphia &amp; Washington DC).</td>
<td>1918</td>
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<td>15</td>
<td>Nylon stockings hit the market for first time</td>
<td>1940</td>
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<tr>
<td>16</td>
<td>Charles Hires invents Root Beer.</td>
<td>1866</td>
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<td>21</td>
<td>The American Red Cross was formed.</td>
<td>1881</td>
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<td>24</td>
<td>Nursery Rhyme &quot;Mary Had a Little Lamb&quot; was written by Mary Hale of Boston.</td>
<td>1830</td>
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<tr>
<td>25</td>
<td>The movie blockbuster &quot;Star Wars&quot; is released.</td>
<td>1978</td>
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<tr>
<td>30</td>
<td>The brassiere is invented. As we understand, it received a lot of support.</td>
<td>1889</td>
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