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Nevada Department of Education

Vision:

All Nevadans ready for success in the 21st Century.

Mission:

To improve student achievement and educator effectiveness by ensuring opportunities, facilitating learning, and promoting excellence.



Healthcare Pipeline Project *by Tammy Westergard*

One role of the Nevada State Library is to meaningfully link quality resources and out-of-school-time programs with formal education systems. The current priority is to serve instructors deploying industry certification and credential curricula relevant to Nevada's priority sectors and occupations. Equally important is the library's role in helping Nevadans cut the time it takes to explore career pathways and prepare for these careers. Amplifying the workforce development ecosystem, the State Library has piloted an integrated technology solution as a proof of concept aimed at:

- increasing career exploration and job counseling services available from Nevada's public libraries
- having the project elements seamlessly support students academically during the chosen course of study once a specific occupational pathway has been determined

College of Southern Nevada's Dialysis Technician Certification Program:

Four integrated tools form wrap around services to accelerate career exploration,

occupational interest and classroom success for the College of Southern Nevada's (CSN) Dialysis Technician Certification Program. Each asset has been created directly with CSN instructors, the textbook publisher, and industry.

Career Exploration:

- **SaaS career information database** in all Nevada public libraries, (Nevada Career Explorer). In 2018 Nevada's public libraries served 9.5 million patron visits across the state's 87 branches. 44 percent of Nevadans have active public library cards.
- **360 video fieldtrip viewable on an Oculus Go** - A Day in the Life of a Dialysis Technician.
- **A virtual reality** simulation to see the clinical workplace and experience some job tasks.
- **Quick assessments to check for key concept prerequisites** are embedded within the career exploration level of the virtual reality simulation. If knowledge gaps are discovered remediation suggestions are made.

(continued on page 5)

Meet the New Director

by Craig Statucki



I am excited and honored to serve as the director for the Office of Career Readiness, Adult Learning & Education Options.

I have been a CTE educator in the Clark County School District (CCSD) since 2001, most recently serving as an assistant principal at East

Career and Technical Academy (CTA). Prior to working at East CTA, I served as the community partnership coordinator, taught Digital Game Development at Southwest CTA, and taught a variety of computer and business classes at Palo Verde High School.

My experience with CTE goes beyond the classroom as I have represented the Nevada Association for Career and Technical Education (NACTE) as the executive director since 2015 and participated on several committees at the regional and national level with ACTE.

I received both a Bachelor's Degree in Economics and a Master's Degree in Business Administration from UNLV. I earned my teaching credentials through the University of Phoenix and my administrative credentials through Sierra Nevada College.

With the recent COVID-19 crisis, there have been some significant changes in education in Nevada and there will likely be more to come. I am dedicated to providing the best opportunities for Nevada's CTE students to succeed.

I recently had the opportunity to speak, via virtual message, to the students and advisors at the Nevada SkillsUSA conference and I want to share some of those thoughts with all of Nevada's CTE educators regarding my vision for CTE.

My vision for CTE in Nevada includes an expansion of access to CTE programs for all students regardless of demographics, geographic location, or socio-economic status. Increasing access is not limited to establishing programs of study in schools without CTE programs, but also to increase opportunities for K-12 students to explore multiple CTE programs before they graduate high school.

I want to continue to build opportunities for students to earn college credit, either through the existing CTE College Credit program or through opportunities for dual enrollment college credit. It is important that we provide students with affordable options to pursue postsecondary education and improve the alignment of our K-12 programs with our postsecondary institutions.

I also intend to work with Nevada's industries and government agencies to increase the opportunities for students to earn industry certifications and participate in internships before they earn a high school diploma. We need to provide Nevada's students with options to be successful upon high school graduation whether it is through attending postsecondary institutions or going directly into the workforce.

I am a firm believer that CTE is the great equalizer. It provides students, regardless of demographics, geographic location, or income status, with opportunities to start their career upon graduation or enroll in postsecondary institutions. When Nevada's CTE students are successful, Nevada's workforce and economy are successful.

Nevada has excellent CTE programs across the entire state because of hard working and passionate educators like you. I am looking forward to seeing your programs, listening to your ideas, and assisting you to provide the best opportunities for Nevada's students to be successful. If you want to share your ideas directly with me, I can be reached at cstatucki@doe.nv.gov.

Please stay healthy and safe. Thank you for all that you do for Nevada's students.

Teaching Ag in a COVID-19 World

by Charlie Mann



“School is closed; no students or teachers will be allowed to come into the building as of April 1.”

The two questions that I asked myself as I received this news were: One, how do I teach hands-on

classes when I cannot get the materials to each individual student and the only contact I have with them is by cell phone or computer? And two, how do I make sure my students are receiving the same high quality instruction that they would have received in the classroom?

I didn't have the answers, but regardless, I gathered all of the materials that I thought I would need from my classroom and went home to figure it out.

Agriculture Science teachers and, actually, all Career and Technical Education (CTE) teachers, are great at improvising and adjusting to different circumstances, including limited funding, materials on back order, school assemblies, CTSO conferences/trips, and evacuation drills. We adapt over the years and make sure that whatever we do counts. We strive to ensure that when we are out of the classroom, our students still receive the same level of instruction as if we were still there. Before this crisis, I had added voice overs to my PowerPoints to make sure that students knew exactly what I wanted them to learn. Transitioning

to the pandemic, I was able to take those same presentations and make videos out of them. I learned that PowerPoint allows you to save a presentation, with a voice recording, into a movie without you presenting it. This new discovery (for me) has now allowed my students to receive a high level of instruction they can view at their own pace. Some of our students are the primary caregiver during COVID 19, because their parents are essential workers. Others are teaching their younger siblings and some are working during school hours to provide the third or fourth income to support the family. Because my students each have different circumstances at home, I wanted to make sure that they all could still learn without having to sacrifice their livelihood.

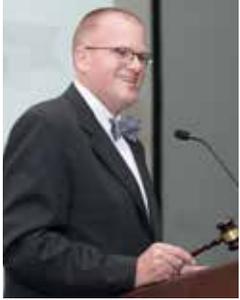
Materials for labs can sometimes be scarce and there are materials we use in the classroom that cannot even be found in stores for students to purchase. To ensure my students learned and were prepared for subsequent school years, I began filming all of my labs at my dining room table. Even though my students won't be able to physically experience these labs, they can still learn the concepts via videos. During the first week or so of teaching digitally, I filmed 11 different lab videos. These videos help my students have, nearly, the same experience of the lab without having to physically be there with the materials. One lab that I love having my students do is an ecology lab where we study the relationship between snails and aquatic plants. They see how both flora and fauna are needed to ensure a stable ecosystem. Filming this lab took additional time, but was definitely worth it.

Teaching from home takes more work to do well, and we cannot replace the feeling of being in our classrooms with familiar materials, however, we are called to adjust and do our best. As teachers, we can accomplish anything we put our minds to. I am so proud to be part of this great profession, and can't wait to hear what others have done to help our students during this COVID19 Pandemic.



President's Message

By: *Chris Whitney*



On behalf of the Nevada Association of Career and Technical Education (NACTE), we would like to let you know that, despite the recent challenges presented by the COVID-19 Pandemic, your NACTE board is continuing to work hard to plan two different Career and Technical Education conferences to be held in Nevada this year.

With this in mind, our goal is to hold both the Region V Conference, and the State Conference for the Nevada Association of Career and Technical Education, over a period of one week. We are currently in the planning stages with Harvey's in Lake Tahoe to reschedule both of these conferences. While we do not have exact dates at this time, we are looking at the end of October/early November. Please be on the lookout for the dates of the Region V and NACTE State Conferences, and we hope to see you at Lake Tahoe in the fall.

As the COVID-19 Pandemic has allowed school districts throughout Nevada to explore remote/distance learning opportunities for students, the NACTE Board is also exploring opportunities to provide high quality, ongoing professional development for the Career and Technical Education Professionals throughout our state. As more details are worked out, we will update you on our progress.

The NACTE Executive Board is currently taking applications for a new Executive Director. The Executive Director must have at least five (5) years' experience as either a CTE educator or administrator, excellent collaborative skills, excellent writing and speaking capabilities, as well as a strong desire to lead our organization into the future. If you are interested in serving in this position, please submit your resume, salary requirements, and two letters of recommendation to Craig Statucki no later than June 28, 2020. You may also submit your documents digitally to Craig at cstatucki@gmail.com.

We hope you all stay healthy and safe and look forward to seeing you at one, or both, of the upcoming Career and Technical Education Conferences.

SkillsUSA

By: *Sindie Read*



For the third year in a row, Nevada SkillsUSA is close to surpassing its membership. Conferences keep growing every year and through these conferences our students are developing professionalism, communication and leadership skills. With the help of advisors and business and industry, students are becoming career and college ready.

In November, Nevada SkillsUSA held its Fall Leadership Conference at Great Basin College in Elko, Nevada. This two and a half-day conference, primarily run by the state officer team, helps local officers and members gain the knowledge and skills they need to run a successful SkillsUSA chapter back at their school.

Bryce Busch, Nevada SkillsUSA State Vice President, joined members of other career and technical student organizations (CTSO) on January 31, 2020, in a presentation to the State Board of Education promoting Career

and Technical Education as part of CTE Month. It was a great opportunity to talk about SkillsUSA and also allowed him to form friendships with the other CTSO officers from around the State.



On February 8, 2020, the Regional Competitions were held around the state. Almost 200 students competed in Automotive Service Technology, Photography, and Welding. With the help of AACT, CSN, GBC, TMCC, Finlay VW Auto Center, and Greg's Garage, competitions ran successfully.

The Nevada SkillsUSA Board of Directors, as well as the 2019-20 State Officers, are working on providing continued support to members and chapters in these challenging times.

Healthcare Pipeline Project

by Tammy Westergard (continued from page 1)

Study and Practice:

- Industry 4.0 **interactive learning modules are a study tool to help students focus on one small learning chunk at a time.**
 - Students learn at their own pace, monitor their progress and learn concepts and skills in focused tutorials and quiz pairs.
 - Features include ability to revisit learning levels to review and refresh knowledge allowing students to gain practice with test-taking.
- **The virtual reality simulation** encompasses many curriculum elements, highlights demonstrate the extra corporeal circuit; infection control practices and how a dialyzer is engineered to pull toxins from blood cells.



Also prominently featured and described are specialized machines, needles and instrumentation. A research paper by Dr. Richard Lamb from the University of Buffalo published after studying science virtual reality content in his lab with first year college students concluded: *“Using realistic 3D immersive environments as targeted interventions at critical times may help rebuild the current deficit in science learning.”* This is important for students in STEM programs and exploring interest in STEM fields.

While this concept focuses on Nevada’s healthcare talent pipeline to serve employer needs and Nevadans requiring dialysis services – if successful, there are many additional healthcare certification programs which also may benefit from this model.



CTE Achievements 2020



Culinary Arts students from the Academy of Arts, Careers and Technology (AACT), McQueen, and North Valleys High Schools recently competed in the annual Nevada ProStart™ state competition, held in Las Vegas. All students excelled in their respective events, led by the AACT team that qualified for the Management competition at National ProStart™ Invitational that was scheduled to take place in Washington, DC.

CTSO Directors, Mike Oechsner (FBLA), Sindie Read (SkillsUSA), and Heather Dye (FFA), went above and beyond to quickly adapt and adapt again, in order to provide the first Virtual State Leadership Conferences accessible for all students. A huge thank you to them for their hard work, collaboration, and cooperation on behalf of our students and advisors!

The Department of Education loves to recognize internal staff who excel each quarter. This quarter Randi Hunewill, CTE Assistant Director, received the “Doing What Is Right” award for outstanding leadership in the absence of a Director.

Truckee Meadows Community College (TMCC) is the first school in Nevada to be designated as a Green Ribbon

School by the U.S. Department of Education (USDOE). The Nevada Department of Education (NDE) nominated the community college, for their innovative efforts to reduce environmental impact and utility costs, improve health and wellness, and ensure effective sustainability education. TMCC is among five postsecondary schools nationally to receive the 2020 U.S. Department of Education Green Ribbon Schools Postsecondary Sustainability Award. Across the country, 39 schools, 11 districts, and five postsecondary institutions are being honored.

Two Carson High School Graphic Design students won the top prize in the “I Voted” sticker design competition. Victor Clavel and Alondra Mata Izquierdo, both 12th graders in Graphic Design Advanced Studies, submitted the winning designs. The contest was sponsored by Carson City Department of Arts & Culture in partnership with the Carson City Clerk-Recorder’s Office. Due to CVOID-19, the students submitted hand drawn designs.

A final shout out to all Nevada CTE teachers and faculty, who take the time and initiative to ensure all students receive equitable education in this time of online learning. Because of your efforts, learning will continue.

Washoe County School District - Signature Academies and CTE Look to the Future

by Josh Hartzog



Washoe County's Signature Academies & Career Technical Education (SACTE) Department has much to celebrate and look forward to in the next year or two. First, the department, district, and community stakeholders are in the initial design stage for a new Career Technical

Academy to be built at what is currently the Procter Hug High School campus. Projected for opening in School Year 2023-24, this will be the second high school of its kind in the district; Academy of Arts, Careers and Technology (AACT) also follows an academy model.

Secondly, SACTE is looking forward to another exciting "Construction Career Day" next fall, which is already in development in partnership with the Nevada Builders Alliance.

Finally, in partnership with the Economic Development Authority of Western Nevada (EDAWN), and a variety of community stakeholders, SACTE is engaged as a member of the Skills Gap Task Force, a group committed to developing a unified vision and strategic plan to expand opportunities for students to enter careers in the local software technology industry. By partnering with the task force, Washoe County will be better informed to align CTE programs to meet the needs of local employers.



The SACTE staff is optimistic about the future of CTE in Washoe County School District and continued collaboration with community stakeholders to deliver quality CTE programs and address the skills gap of local employers.



Getting to Know NCCER

By Denise Burton

A recent blog post titled "What is NCCER? Back to the Basics" by Deanna Quintana on

NCCER's blog "Breaking Ground", explains the purpose of the National Center for Construction Education and Research. NCCER serves as a guide for craft professionals through its workforce development efforts. Deanna provides a simplified understanding of what this organization does for construction industry professionals.

NCCER is nationally recognized as a top resource for construction education, training, and research. NCCER was originally developed with the support of more than 125 construction CEOs as well as association and academic leaders. There are currently over 6,000 NCCER-accredited training and assessment locations across the United States.

NCCER serves as the central platform for resources, curriculum, information, and more. If you are looking for training or an assessment center, it is as easy as looking at their interactive map or calling the customer service team. In Nevada, education facilities can contact the state Sponsor Representative, Denise Burton.

NCCER's priority is to build a safe, productive, and sustainable workforce of craft professionals in the Construc-

tion field. One of the core values of NCCER is providing industry support. Their commitment to uphold and serve the interests of the construction industry is in everything it does. This includes the standardized curriculum and certifications, as well as initiatives built on enhancing career development.

NCCER is a not-for-profit 501(c)(3) education foundation. The education program has evolved into curricula for more than 70 craft areas. NCCER is looking to educate, recruit, and develop the next generation of craft professionals.

NCCER includes research as part of its platform, so resources that give insights into new trends and projects, as well as best practices for education and implementation efforts, are readily available.

In Nevada, NCCER is used in many of the community colleges to provide opportunities for students to get the certifications that will help them move into industry. This opportunity is also available for students in secondary schools as well. For craft professionals interested in getting certified to include the curriculum in their existing courses, please contact Denise Burton, the Nevada Sponsor Representative, at dburton@doe.nv.gov. If you have questions about how you can implement this in your school or classroom, please reach out.

NDE Online Support Hours During COVID-19

Career & Technical Education

Tuesdays 9am-10am

(<https://call.lifesizecloud.com/1639430>)

Career Guidance Counseling

Thursdays 10am-11am

(<https://call.lifesizecloud.com/1639168>)

Computer Science & Integrated Technology

Mondays 9am-10am

(<https://call.lifesizecloud.com/1370696>)

English Language Arts

Tuesdays 11am-12pm

(<https://call.lifesizecloud.com/655603>)

Fine Arts

Thursdays 9am-10am

(<https://call.lifesizecloud.com/1371312>)

Health / P.E.

Fridays 9am-10am

(<https://call.lifesizecloud.com/1371362>)

Mathematics

Wednesdays 11am -12pm

(<https://call.lifesizecloud.com/1371114>)

Other Licensed Professionals (mental & physical health)

Fridays 10am-11am

(<https://call.lifesizecloud.com/1654422>)

Social Studies

Tuesdays 10am-11am

(<https://call.lifesizecloud.com/555002>)

Science

Thursdays 8am-9am

(<https://call.lifesizecloud.com/601872>)

Read By Grade 3

Mondays 1pm-2pm and Wednesdays 9am-10am

(<https://call.lifesizecloud.com/1010462>)

Special Education

Fridays 11am-12pm

(<https://call.lifesizecloud.com/1654405>)

World Language

Wednesdays 11am-12pm

(<https://call.lifesizecloud.com/1394104>)



CTE Mission Statement:

The Office of Career Readiness, Adult Learning & Education Options is dedicated to developing innovative educational opportunities for students to acquire skills for productive employment and lifelong learning.

Jhone M. Ebert

Superintendent of Public Instruction

Jonathan P. Moore, Ed.D.

Deputy Superintendent of Student Achievement

Heidi Haartz

Deputy Superintendent for Business and Support Services

Felicia Gonzales

Deputy Superintendent for Educator Effectiveness & Family Engagement

Craig Statucki

Director, Office of Career Readiness, Adult Learning & Education Options

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