



Wayde Sick, Director
Mark Wagner, Assistant Director

March 2022

Newsletter

CTE Champions: CTE Month 2022

Thank you to all who participated and provided photos.



Dates of Interest

March 13-15, 2022

DECA Conference
Bismarck

March 21, 2022

Winter CDE's
Minot

March 21-22, 2022

TSA Conference
Mandan

March 27-29, 2022

FBLA Conference
Bismarck

April 3-5, 2022

SkillsUSA Conference
Wahpeton

April 10-12, 2022

FCCLA Conference
Bismarck

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CTE Around the State

NDSCS Business Management students toured Growing Small Towns in Oakes, North Dakota. Students learned about innovation services, team building activities, coworking plans, networking, and meeting space rental for a 7-county wide area in SE North Dakota. The goal—to assist people and businesses with an innovative growth mindset in small, rural communities. Rebecca Undem led students through a brainstorming exercise with student groups sharing ideas as a culminating activity. A great resource for rural southeast North Dakota.



Students enrolled in Child Development participated in several activities last month during their hands-on learning day in Bismarck. Students practiced using RealCare babies, yarn activities, and built their own playhouse. These students are attending **The Central Regional Area Career and Technology Center**.

The technology service leader for **Bismarck Public Schools**, Robert Lanz says the district created an IT career pathway. The partnership includes an IT internship. What began as just an internship program became what is now known as Saber Cybers, a name the students created. The Saber Cybers fix everything from chrome books, projects, and i-phones. Students do more than just repair technology. They use resources to troubleshoot and resolve issues so they can provide great customer service. A pre-requisite is that all students must have taken at least one basic computer class. Once they have enough experience there is an opportunity to become a paid intern.



NVCTC in Grafton hosted the Explore NVCTC in January. This event aimed at exposing students to potential career paths and CTE class opportunities. Students began their day with Brooks Harper about selling their talents, skills, and abilities that bring tangible value to the marketplace. Then they attended 4 breakout sessions where 24 speakers presented to over 300 8th grade students from 15 school districts.



WBL: Dakota College Photography Program Provides Experience

What is it?

Dakota College at Bottineau has a unique photography program in that it is a Career and Technical Education (CTE) program. Most photography degrees are a general education degree with an emphasis in art wherein students take a couple of photo classes instead of painting or drawing. Those degrees are great, but they do not teach the trade of photography. In fact, students will spend four years in school and only take a few photo classes designed to teach fine art photography, not commercial photography.

At DCB, students take 11 photography courses in two years that are designed to teach them how to make a living as professional photographers. Students have the option of taking all the photography courses along with a handful of other college courses to earn an AAS degree, or they can take only the photography courses to earn a CERT.

On campus they run the entire program as a professional studio. On campus students work for DCB photography as part of their practicum classes. Students work as professional photographers the entire time they are earning their degree. Not only is this essential, on the job, learning for students, but it also gives them their first two years of professional experience while earning their degree. This is a huge benefit when searching for jobs after graduating.

Services to the Community

The DCB studio offers professional photography services to our community and the surrounding areas at discounted pricing. They use the money earned in the program to take students to Ireland for a study abroad photo trip every September. This is an amazing trip in which students explore Northwestern Ireland, learn about the history and culture, and learn about outdoor photography in one of the most beautiful places on the planet. This trip is also open to the public. They have had many community education students join them from across the country each year.

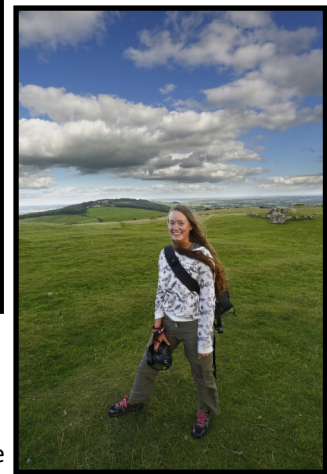
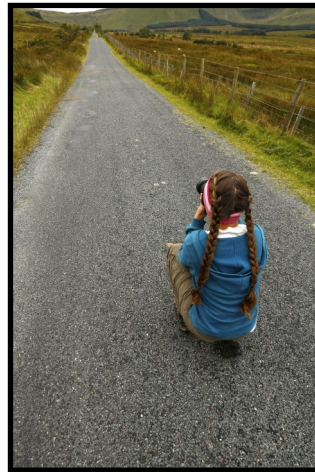


Distance Learning Option

Students can also complete the entire program online. If they are online, they will take the exact same courses, however they won't work for us while getting their degree. They will also be responsible for obtaining professional lighting equipment as they will need it for assignments.

"We are proud of our program and the success it has had over the past 9 years," said Clint Saunders, Associate Professor and Chair of the Photography Department. DCB was recently named as the 3rd best 2-year photography program in the nation, and 9th when including 4-year schools. DCB beat out some pretty big schools including the Academy of Art University in San Francisco and Yale.

Thank you to Clint Saunders, Associate Professor/Chair of Photography at Dakota College for sharing about WBL.



Work Based Learning Guide for Health Sciences Teachers

- Submitted by Tracy Becker, Supervisor, Health Sciences Education

With the emphasis on work-based learning in Career & Technical Education Courses, teachers may feel overwhelmed by the challenge of creating meaningful opportunities for their students. To assist teachers' preparation for what a WBL experience looks like, what paperwork they may need and how to prepare students to face difficult situations, the National Consortium for Health Science Education's (NCHSE) new work based learning guide will give you the tools you need to collaborate with industry partners and prepare your students for valuable, real-world experiences.

The **NCHSE Work-based Learning Guide** is a newly redesigned resource to assist health science teachers in meeting their state work-based learning goals and to enrich student experiences by incorporating real-world scenarios into their classroom learning through interactions with industry professionals and training at the worksite.

The guide includes lesson plans, projects, resources, activities, and templates that create a foundation and provide support for work-based learning activities within the program along with service-learning components.

North Dakota Career & Technical Education joined the NCHSE this past summer. In addition to professional development opportunities, access to the national Health Sciences Standards and professional learning community, teachers from members states qualify to receive discounts on NCHSE resources, including the new Work-based Learning Guide.


Visit [THIS LINK](#) to watch the webinar revealing the release of this classroom resource.

For additional information on the NCHSE Work-Based Learning Guide or resources, please visit:

www.healthscienceconsortium.org

Work-based Learning Guide version 4.0

Released September 2021



NCHSE
National Consortium for
Health Science Education

An exciting resource to enhance career awareness experiences for your students!

National Health Science Standards Inclusion
Multiple formats: Word/PDF/PPT – 240 files

Increasing collaboration →

Awareness


Exploration

Preparation

Activities designed to develop student awareness of career options

Activities designed to make students aware of all aspects of industry

Activities designed to allow students to practice technical skills



Available on our website

- \$150 for teachers from NCHSE member states or HSEA (Health Science Educators Association) members
- \$200 for teachers from non-member states

www.healthscienceconsortium.org

RURReady.ND.gov is a web-based career information delivery system that includes resources for Career Planning, High School and College Planning, and Financial Aid. Additionally, students can develop an electronic portfolio of career exploration and planning activities.

Did You Know?

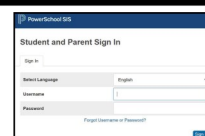
- ⇒ RURReady.ND.gov is provided to all K-12 students in North Dakota by the North Dakota Department of Career and Technical Education.
- ⇒ Accounts are automatically created for all North Dakota public school students in grades 6-12
- ⇒ **Account \ access is simple with the new Single Sign On process** through the student's **PowerSchool** account (public school students).
- ⇒ All career and education professionals at your school can have an RURReady.ND.gov professional level account to work with students and track their progress.
- ⇒ Parents can create an account in RURReady and access all of the planning features and develop their own personal portfolio and can also view their student's account, if invited.
- ⇒ Accounts NEVER go away. Students can use their account after graduation, so that they are able to access all their information and artifacts saved in their RURReady.ND.gov account.
- ⇒ Accounts also transfer with students within the North Dakota Public School System including all the student's saved work.
- ⇒ RURReady.ND.gov is available to public college and university professionals who can create professional accounts to help their students with college and career planning.
- ⇒ Public college and university students also have access to free accounts and North Dakota High School grads can access the accounts they had in high school (see above-accounts NEVER go away).
- ⇒ There are **871 Career Videos** available to enhance the career exploration experience.
- ⇒ Careers have been added to the **Career Profiles, providing students with information about new and emerging occupations.**
- ⇒ Career assessments are available in RURReady.ND.gov, 3 of which qualify for the grade 7/8 and grade 9/10 mandated career assessments. **Career Key, Career Cluster Inventory, and Interest Profiler.**
- ⇒ RURReady.ND.gov can be used to build a curriculum for gathering and tracking the completion of the indicators of the **Choice Ready** elements.
- ⇒ Reports can be pulled to track data on completed activities and to obtain data for Choice Ready reporting.
- ⇒ A new **Work-Based Learning** module is coming to you in 2022-2023!

Accessing RURReady.ND.gov

RURReady.ND.gov
EDUCATION & CAREER PLANNING

1

Go to your school's PowerSchool Sign In to access RURReady.ND.gov.
Sign in to your PowerSchool account.



2

From the PowerSchool main screen, click on the Applications icon to access your ND Education Portal.



3

Click on the ND Education Portal Link



4

Click on the RURReady 'badge' on the ND Education Portal to access your account.



!

If you are unable to sign in or are experiencing sign in issues, please contact your school for assistance. For security reasons, PowerSchool is unable to assist with sign in, password, or other accessibility-related issues.

Celebrating Women in Agriculture and FFA

- Nikki Fideldy-Doll, Supervisor Agricultural Education and FFA Advisor

In 1969 women were officially allowed membership into the National FFA Organization, and in 2019 celebrated 50 Years of Women in FFA. However, women were involved in agricultural education (vocational agriculture at the time) before then. Nationally it is debated whether the first female agriculture teacher was Elsie Roland and Lillian Lamb, both serving as Vocational Agriculture Instructors around 1919.



In North Dakota, the first female agricultural education instructor and FFA advisor was the late Jane Hammer. She taught high school Vocational Agriculture in LaMoure from 1977-1979. She then taught Vocational Agriculture in Tioga from 1979-1983. Later she taught Adult Farm Management at the Vo-Teach Center in Valley City, and Vocational Agriculture at North Central High School until she was hired at Valley City State University in 1996 as an adjunct teacher.

Although a male dominated job at the time, over the years more and more females began teaching vocational agriculture in ND. 1988 saw the name change from Vocational Agriculture to Agricultural Education to match the significant



changes in the agricultural industry with a concentration on agricultural science.

This year marks the first year in North Dakota history that there are more female (51%) secondary agricultural education instructors than male (48%) and the first female to serve as the North Dakota State FFA Advisor. Just as agriculture has changed and evolved over the years, so has the demographics of agricultural educators in our state.



Kelly Pierce is Recognized with the Glenn Dolan Award

Kelly Pierce, Career Development and Career Advisor Supervisor at the ND Department of Career and Technical Education, received the 2022 Glenn Dolan Award at the ND Counseling Association Conference in Bismarck in February.

The Glenn Dolan Award acknowledges the recipient for their outstanding contribution to their professional organization, their leadership in the counseling profession, rapport with the community and colleagues, participation in community functions and organizations, and service/leadership to the community.

Glenn Dolan was the founder of the ND Counseling Association (NDCA). He dedicated many years, his time, talent, energy and effort to growing the counseling association and profession in North Dakota. The Glenn Dolan Award was established by the NDCA in his honor.



Cybersecurity: Cyber Madness Competition Winners Announced

Twelve teams competed for top honors during the Inaugural North Dakota High School State Cybersecurity tournament, also known as Cyber Madness, in Bismarck February 10-12, 2022. The first-place team from James Valley Area CTC, coached by Darby Heinert. The second place team from Red River High School was coached by Paul Zettler.

During the three-day event, students tested their Cybersecurity knowledge in three separate rounds on Palo Alto's Cyber Range in an attempt to solve as many challenges as they could turn earn their team points. Rounds were divided into five categories (The Connected Globe, Physical/Logical/Virtual Addressing, Packet Encapsulation/Lifecycle, Network/Endpoint Security, and Networking/Security Principles) taken from the Palo Alto Network Security Fundamentals Portal.

In addition to intense competition, students also participated in a mini conference for them to meet with North Dakota colleges, technology employers, vendors and sponsors and heard from guest speakers Shawn Riley, ND Chief Information Officer, and Fadi Fadhil, Palo Alto Networks Field Strategist. First, Second and Third place teams also were awarded scholarships based on their finishes. Check out the student interviews

from the Cyber Madness Champions [Student Interview](#)



Patrick Bertagnolli Will Serve on ND CTE Board

Governor Burgum appointed Pat Bertagnolli of Watford City to serve as executive director of Job Service North Dakota effective February 21, 2022. He will also serve on the Board for CTE as part of his position.

Bertagnolli earned his bachelor's degree in business administration in 1990 from Carroll College in Helena, Mont., and a Senior Certified Professional credential from the Society for Human Resource Management in 2015. He currently serves on the TrainND Northwest Advisory Board and on Williston State College's nursing advisory board. He has served on the state's Workforce Development Council for eight years, having been first appointed by then Governor Jack Dalrymple in 2014 and reappointed by Burgum in 2016. He is a former president of the Watford City Area Chamber of Commerce.



State Director's Column

-Wayde Sick, Director, North Dakota Career and Technical Education

11 Months from the 68th Legislative Session

Believe it or not, even though we are about 11 months away from the 68th Legislative Session, the Department of Career and Technical Education is already working on its legislative priorities. The Committee started this process by completing a SWOT analysis, in preparation for the upcoming Strategic Review with the Governor's Office. This will give NDCTE the first opportunity to educate the Governor's Office on what our focus will be.



When completing a SWOT analysis, there is obviously a need to focus on strengths, weaknesses, and threats, but in my eyes, the intent is to look for opportunities. Those opportunities can be continuing to expand on the strengths or addressing the weaknesses and threats. Although many opportunities arose, I personally saw two rise to the top as areas to prioritize.

First, a priority is equitable funding for all CTE programs. How can we ensure quality programs, no matter the program area or location, receive sufficient funding to fully serve its students.

Second, educator shortage needs to be addressed. Schools and CTE Centers across the state have teacher, counselor, and administrator vacancies. These vacancies will continue to grow as educators leave the profession and if we can't adequately grow the pipeline of new teachers. There may need to be more focus on education pathways to recruit and expanded new educator support to retain teachers.

The work continues, advocating for Career and Technical Education. I will ensure to keep you all updated, as we prepare for January 2023.

As always, please feel free to contact me on any issue that concerns Career and Technical Education in North Dakota. You can reach me at 701.328.2259 or by email at wasick@nd.gov.

Wayde Sick

State Director

North Dakota CTE

Did you know...

North Dakota CTE Board Members

Jeff Fastnacht, Chair
Mandan

Sonia Meehl, Vice Chair
Oakes

Kirsten Baesler
Dept of Public Instruction
Bismarck

Lyndsi Engstrom
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Dr. Mark Hagerott
ND University System,
Bismarck

Dr. Steven Holen
Watford City

Burdell Johnson
Tuttle

Josh Johnson
Valley City

Patrick Bertagnolli
Job Service ND, Bismarck

Assistant Director's Corner

The Importance of CTE Student Organizations

- Mark Wagner, Assistant Director



*Mark Wagner, Assistant Director,
North Dakota Career and Technical
Education*

Mission of CTE

The mission of the State Board for Career and Technical Education is to work with others to provide all North Dakota citizens with the technical skills, knowledge, and attitudes necessary for successful performance in a globally competitive workplace.

As the month of February ends where we celebrate CTE and start the season of state conferences that are listed in this month's newsletter (front page), I would like to share about Career and Technical Student Organizations and the importance of CTSOs.

Career and Technical Student Organizations are a collection of co-curricular activities for students to develop important skills through the use of events, leadership, competitions, and other activities. A CTSO is one of 12 elements of high-quality CTE, defined in ACTE's comprehensive research-based Quality CTE Program of Study framework. A CTSO ultimately prepares members for the future by giving them opportunities to learn specialized skills useful to specific workforces.

Currently, in North Dakota there are nine state and national CTSOs, and they are: DECA and Collegiate DECA, Family, Career and Community Leaders of America (FCCLA), FFA, Future Business Leaders of America-Phi Beta Lambda (FBLA-PBL), HOSA, SkillsUSA, and Technology Student Association. All CTSOs employ at least one of the sixteen Career and Technical Education career clusters. The area of focus is shown consistently through the competitive events and leadership conferences.

According to ctsos.org, high school students who are involved in a CTSO on average demonstrate higher levels of academic engagement and motivation, employability, and academic engagement. Along with that, it is proven that students in a CTSO are more likely to have a higher-grade point average. These are all important things to help prepare students to enter an ever-changing workforce.

If given the opportunity to attend a CTSO activity on the local or state level, please do so. When attending a CTSO event, I have always felt the abilities and passion shown by the organizations elected leaders and advisors to be second to none and reassured the importance and value of not only CTSOs but also Career and Technical Education. Thank you to all the members for making a wise decision in joining a CTSO and to the advisors (local and state) for all their dedication and time in making their respective CTSO a success!

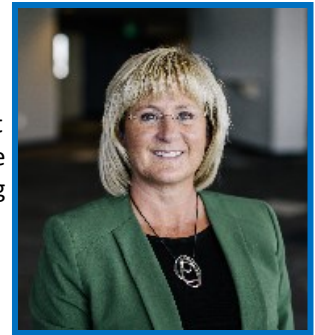
Please contact me if you have questions about any of our Career and Technical Education Students Organizations or how to get involved and provide these opportunities to students.

NDACTE Award Nominations Deadline: April 30

-Carla Hixson, NDACTE Executive Director

North Dakota ACTE is conducting a statewide search for excellence in CTE to highlight outstanding educators as part of the annual awards program during the ND CTE PDC. We are seeking nominations from all divisions, positions and content areas for the following awards:

- North Dakota ACTE Teacher of the Year
- North Dakota ACTE Postsecondary Teacher of the Year
- North Dakota ACTE New Teacher of the Year
- North Dakota ACTE Teacher Educator of the Year
- North Dakota ACTE Administrator of the Year
- North Dakota ACTE Counseling & Career Development Professional Award
- North Dakota ACTE Carl Perkins Community Service Award
- North Dakota ACTE Lifetime Achievement Award
- Agriculture Education New Teacher of the Year
- Business Education New Teacher of the Year
- Career Development New Teacher of the Year
- Family and Consumer Science New Teacher of the Year
- Health Sciences New Teacher of the Year
- Marketing New Teacher of the Year
- Special Populations New Teacher of the Year
- Technology and Engineering Education Teacher of the Year
- Trade and Industry New Teacher of the Year



Impact Awards

- Business Education Partnership
- Champion of the Year
- Innovative Program Award

Learn more about the nomination guidelines and how to submit a nomination for ACTE Impact awards at: <https://www.acteonline.org/professional-development/acte-awards/>. The Impact Award nominations are automatically moved on to the national level and will be recognized at the NDACTE Awards.

Learn more about the nomination guidelines and how to submit a nomination for the awards above online here: <https://acte.secure-platform.com/a/organizations/ND/home>. Award recipients will then be judged and North Dakota ACTE award winners will have their nominations forwarded on to be considered for the ACTE Region V Awards. If you have any questions, please contact North Dakota's Awards Committee Chairs: Danielle Luebke Danielle.Luebke@k12.nd.us or Carla Hixson NDACTE@outlook.org.

CTSO Leadership Perspective

"From serving in my local chapter to the North Dakota Association, DECA has given me so many opportunities to expand my knowledge about marketing education and leadership. Our team has been amazingly supportive of one another, and we've had such a constructive year. I can't wait to see how DECA can help me 'Maximize my Momentum' in the future!"

Ross Motter is a junior at Jamestown High School and is the Vice President for North Dakota DECA. He has been involved in DECA for two years.

