



North Dakota Career and Technical Education  
Wayde Sick, Director  
Mark Wagner, Assistant Director

February 2019

# Newsletter

## SRCTC is Developing Future Chefs and Food Industry Leaders!

The Southeast Region Career and Technology Center is excited and proud of the expansion of the Chef Training/Restaurant Management program to include a new food service instructional facility at the SRCTC-Oakes location. The Center held an open house and ribbon cutting ceremony in September for this leading-edge facility. People from the Oakes community, along with local and state officials including State CTE Director Wayde Sick, Asst. State CTE Director Mark Wagner, State Board for Career and Technical Education Board Member Sonia Meehl, SRCTC Board Chair Ginny Buck, and numerous other dignitaries, attended and helped celebrate the grand opening. Delicious snacks were prepared by the chef training classes, as the students became acquainted with the convection ovens, gas stoves, induction cooktop, the griddle, and the dishwasher.



The chef training class is taught by Mrs. Maryellen Homan and it is a Career/Tech. elective class for freshmen through senior grades. In the process of making the foods for the open house, the students learned how to read and follow recipes and use the correct measuring techniques, while also passing the food safety course. In the month of October, they developed knife handling and cutting skills as they prepared many culinary delights involving soups, stews, and sauces. Guest chefs from NDSCS and Mezzaluna in Fargo were a highlight and brought awareness for the demand of culinary career opportunities in the area.

Students prepared a catered dinner for SRCTC's advisory board members at their fall meeting. Baking knowledge and techniques were also the focus, involving non-yeast products such as quick breads, muffins, flatbreads, and pastries. Homemade pizza dough was made using various mixing techniques and became the basis for all sorts of unique pizzas. Each student also made a pie of their choice to take home for the Thanksgiving holiday.

The program utilizes the national Sous Chef Curriculum which is a web-based, on-line platform. This helps the instructors frame student lessons and labs and also provides a variety of lessons that complement lab-based cooking instruction. As the students look towards spring, they have the excitement of the Annual SRCTC Top Chef cook-off contest. The lead Chef Training Program instructor is Chef Jerry Prante, who teaches at the Wahpeton location.

### Dates of Interest

**February, 2019**  
CTE Month

**February 19-21, 2019**  
CTE in Memorial Hall,  
Bismarck

**March 10-12, 2019**  
DECA Conference  
Bismarck

**March 18-19, 2019**  
TSA Conference,  
Bismarck

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## Paws in Jobland Has Been Updated!

Paws in Jobland has been updated! As of January 2019, over 700 updated career photos have been added to the site. In addition, the display of Paws in Jobland has been improved so that it fills the screen when used on iPads.

This animated feature includes four sections: **Jobland**, an overview of the 16 career clusters; **Job Finder**, a 26-question career interest survey; the **ABC Search**, which highlights occupations alphabetically; and **Quiz**, an interactive puzzle based on work activities.

Resource materials including lesson plans for grades K-2 and 3-5 can be found at <https://content.xap.com/media/8913/paws-resource-materials.pdf>. Look for Paws in Jobland in RUPReady.ND.gov.



For more information about the Career Resource Network, contact Marilyn Orgaard ([maorgaard@nd.gov](mailto:maorgaard@nd.gov), 701-328-9734) or Laura Glasser ([leglasser@nd.gov](mailto:leglasser@nd.gov), 701-328-9733.)

## 66th Legislative Assembly

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

### About Legislative Assembly

The North Dakota Legislative Assembly is the formal designation of the state legislature. The Legislative Assembly consists of a Senate and House of Representatives. The Senate may consist of 40-54 members and the House may consist of 80-108 members, depending on the number of senatorial districts. Legislative members take office December 1 of even-numbered years. The Legislative Assembly convenes in regular session in January.

February 22: Crossover for bills

February 25-26: Recess

February 27: Reconvene from crossover break

April 30: Session limited to 80 days

The 66<sup>th</sup> Legislative Assembly continues to do its work, building the State's 2019-21 budget and adjusting policy. The Department of Career and Technical Education has been busy defending the agency budget and testifying on several policy bills.

First of all, the House Appropriations Education and Environment Division has been working on HB 1019, or the Department of Career and Technical Education Appropriations bill. Although no formal amendments have been approved as of now, this is how the agency stands.

- ⇒ Our funding for secondary programs were held harmless.
- ⇒ Marketplace for Kids will be funded.
- ⇒ Workforce Development funds will be held at the 2017-19 level, which is \$2 million.
- ⇒ Support exists for the transition of Center for Distance Education (CDE) from ITD to CTE.
- ⇒ New and expanding program funding request of \$1.5 million is on hold.
- ⇒ Cost to continue to fund at current reimbursement request of \$1 million is on hold.
- ⇒ Career Academy request of \$30 million has been removed.

As you can see, there is work to be done to maintain CTE funding. The agency has testified in favor of a number of bills that would have positive impact on Career and Technical Education. Below are a few:

- ⇒ SB 2056 would provide the electrical board the authority to support secondary CTE programming and marketing campaigns, with the intent to recruit students.
- ⇒ SB 2025 authorizes the Superintendent of Public Instruction to develop a process to bring education stakeholders together to develop a K12 Strategic Vision.
- ⇒ SB 2215 transitions the Education Technology Council into a K12 Coordination Council.
- ⇒ SB 2216 transfers the operations of the CDE from ITD to CTE.

We are well into Legislative Session, but still have a long way to go. If you have any questions or concerns, please contact Wayde Sick at 328-2259 or [wasick@nd.gov](mailto:wasick@nd.gov).

## State Director's Column

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

As I mentioned in January, the agency is busy working on developing our plan for Perkins V. We have been challenged to “be bold” in our thinking and use the levers Perkins V provides to meet the State’s priorities. The agency has discussed what our priorities should be, and we have arrived at three:



1. [Secondary/Post-Secondary Program Alignment](#)
2. [Recruitment and Retention of Instructors](#)
3. [Access to Quality Secondary Programs to all Students](#)

So what do we want to try to accomplish with our priorities? Let’s look at each in more detail.

[Secondary/Post-Secondary Program Alignment](#) – As the job skills continue to evolve, it has become apparent that training and education after high school is necessary for success, whether that is apprenticeship, on the job training, college or university. To truly prepare students for what is next, there needs to be alignment between high school graduation and post-secondary. A large gap between what a high school program offers and what a post-secondary program requires can be detrimental to student retention. Partnership between high schools and colleges can close those gaps.

[Recruitment and Retention of Instructors](#) – As our economy continues to grow and workforce shortages plague business and industry, our education system runs short of qualified teachers as well. Teaching is a noble occupation, yet very challenging. Not only is finding the right teacher to staff a program difficult but having the resources to keep them can be just as problematic. The intent of the agency is to determine how to best use Perkins V funds to support schools in this process, whether that be more professional development opportunities, recommended curriculum options or further support of our teacher preparation programs at the State’s Universities.

[Access to Quality Secondary Programs to all Students](#) – There are many quality CTE programs offered in our high schools, but due to the rural nature of our state, access for all is an issue. Between our high schools and Area Career and Technology Centers, the state is doing an incredible job offering coursework whether it is face-to-face, online, or via ITV; but there are still gaps. How can the State best use its resources to close those gaps?

As you can see, there are many questions that need to be asked as we develop our State plan. The Department of Career and Technical Education not only wants, but needs input from stakeholders such as parents, students, administrators, instructors, and employers to answer these questions.

Please feel free to contact either Mark Wagner or me with your comments or questions. We look forward to working with you as we develop our state plan and our vision for CTE for the future.

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Wayde Sick

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State Director

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North Dakota CTE

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## Did you know.....

**95%** of students earning 2 or more credits in a single CTE program area graduated on time, compared to 87% of all high school students.

**69%** of all high school students are enrolled in CTE courses.

**4,591** students have received the North Dakota CTE Scholarship since its inception in 2009.

**177** individual CTE courses are offered as electives for schools in North Dakota.

## Learning More About Perkins V

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For the full text of the Strengthening Career and Technical Education for the 21st Century Act, please check it out here: [https://cte.careertech.org/sites/default/files/PerkinsV\\_September2018.pdf](https://cte.careertech.org/sites/default/files/PerkinsV_September2018.pdf)

## Burgum Proclaims February as CTE Month in North Dakota



— State of —  
**North Dakota**  
*Office of the Governor*  
Doug Burgum  
Governor

### PROCLAMATION CAREER AND TECHNICAL EDUCATION MONTH FEBRUARY 2019

**WHEREAS**, there are 21,880 high school students enrolled in career and technical education (CTE) across the state gaining the academic, technical and employability skills necessary for career readiness; and

**WHEREAS**, students who concentrate in career and technical education programs participate in authentic, meaningful experiences that improve the quality of their education as indicated by a 95 percent graduation rate from high school compared to 88 percent of all students statewide; and

**WHEREAS**, career and technical education provides career exploration opportunities through a statewide online system called RUReady.ND.gov, which is used in 95 percent of all schools, enabling students to make informed and beneficial decisions about their academic coursework; and

**WHEREAS**, leaders from business and industry statewide report increasing challenges related to the skills gap and connecting qualified professionals with available careers in critical and growing CTE-related fields, including health care, energy, advanced manufacturing, value-added agriculture and information technology; and

**WHEREAS**, career and technical education prepares students for these and other fulfilling careers by offering integrated programs of study that link secondary and postsecondary education; and

**WHEREAS**, the access and delivery of CTE programming enables local school programs across the state to provide programs through distance delivery, ensuring more students have more opportunities to address their education, interests and career goals.

**NOW, THEREFORE**, as Governor of the State of North Dakota, I do hereby proclaim February 2019, **CAREER AND TECHNICAL EDUCATION MONTH** in the State of North Dakota.

  
Doug Burgum  
Governor

ATTEST:

  
Alvin A. Jaeger  
Secretary of State

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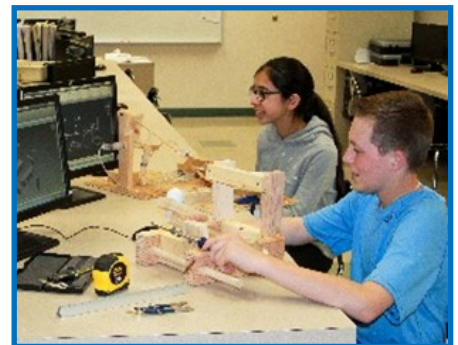
## Technology & Engineering Education and TSA

Technology & Engineering Education has evolved as technology has advanced. As advancements have catapulted us into a faster moving, more highly sophisticated, technological society, Technology & Engineering Education has made curriculum adjustments that reflect these changes. Currently, CTE has two recommended curricula for Technology & Engineering Education. Engineering by Design (EbD) was developed by the International Technology and Engineering Educator's Association (ITEEA) in collaboration with the Technology Education Advisory Council, ITEEA institutional members, and the mathematics, science, and engineering communities. Being North Dakota is a state consortium member, all programs have free, unlimited use of this curriculum.

The other curriculum recommended by CTE for Technology & Engineering Education is Project Lead the Way (PLTW). This nationally developed curriculum has several curricular pathways, including Engineering, Computer Science, and Biomedical Sciences. This curriculum is available to schools after a qualified instructor has completed a PLTW sponsored training and the school pays the yearly participation fee.

The Technology Student Association (TSA) is the student organization that supports Technology & Engineering Education. TSA is easily incorporated into either of the curricula described above, making it truly co-curricular. Nationally, over 60 Competitive Events are provided to students with their TSA Chapter Membership. Locally, more than 30 events are offered at the State Conference held in March each year. With events from Dragsters to Video Production, there is sure to be a competitive event for every student. TSA also has a Leadership Development program called Leadership, Education, Achievement and Personal Growth (LEAP). The purpose of LEAP is to encourage students to be the best member they can be as they seek knowledge about themselves, the organization, and their community; all while demonstrating leadership.

For more information about Technology & Engineering Education or TSA, Contact Don Fischer at [dgfischer@nd.gov](mailto:dgfischer@nd.gov) or (701) 328-3159.



## Assistant Director Corner

### North Dakota Career and Technical Education



-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.

### *Career Readiness in a Global Economy: STEM and CTE Project*

**Rapid economic, technological, and social changes are creating a world that is evermore interconnected.** U.S. educators face a critical new imperative: to prepare all students for work and civic roles in a world where success increasingly requires the ability to compete, connect, and cooperate on an international scale. One promising way in which students can learn about and apply global competencies is through career and technical education (CTE).

CTE programs must prepare students for work in a global economy as well as in our country, which continues to grow more diverse. Now more than ever, with the proper use of technology, those international barriers are being removed. This requires preparing our CTE students with skills that allow them to work in global teams and with people from different backgrounds. In this article I would like to share a project and opportunity to become involved with online professional development modules that support educators to teach STEM through global content via active, project-based learning.

For the past several years, Asia Society has partnered with AdvanceCTE and ACTE to make the case that CTE programs must prepare students for work in a global economy as well as in our country, this requires preparing students with skills that allow them to work in global teams and with people from different backgrounds. To help prepare educators to include these skills in their classroom, they have been working together on the *Career Readiness in a Global Economy: STEM and CTE project*, which includes new professional development modules and tools. These ten new online, 15-minute modules are available for free through ACTE's online learning platform, [CTE Learns](#). The modules, together with sample curriculum and other tools and resources, are currently being piloted and you can participate. To get started, please visit [CTE Learn](#), ([www.core101.org](http://www.core101.org)), create a free log-in, and click on the *Career Readiness in a Global Economy: STEM and CTE* button. For more information, view [Asia Society's website](#) or contact me at [mawagner@nd.gov](mailto:mawagner@nd.gov).

## FEBRUARY IS CTE MONTH IN NORTH DAKOTA

### CTE to Exhibit in Memorial Hall During February

North Dakota Career and Technical Education will be showcasing CTE Programs in Memorial Hall at the State Capitol Building February 19-21, 2019. CTSOs will be featured on Tuesday, February 19, with many state officers visiting with legislators about their student organizations. On Wednesday and Thursday, students from a variety of programs throughout the state will exhibit and share what they are learning in the classroom.