



Help Students Unlock Their Potential with Career and Technical Education

Kara Schweitzer & Megan Tatum – Career
Development Specialists – SD DOE





Division of College, Career & Student Success

Career &
Technical
Education

Dual
Credit

Industry-
Recognized
Credentials

Educator
Professional
Development

Graduation
Requirements

SDMyLife

JAG – South
Dakota



Work-Based
Learning
Support

Equity

Student
Wellness



Learning that works for South Dakota

CTETM

CTE Team

Six regional representatives, each representing schools in their geographical areas and specific career clusters.



south dakota
DEPARTMENT OF EDUCATION

Learning. Leadership. Service.



Brianna.Fabris@state.sd.us

South Central Region

605.295.4446

Agriculture, Food & Natural Resources
- Architecture & Construction -
Manufacturing



Amber.Rost@state.sd.us

North Central Region

605.220.6612

Education & Training – Hospitality &
Tourism – Human Services



Jamie.Boettcher@state.sd.us

Western Region

605.220.3441

Law, Public Safety & Security –
Transportation – Government & Public
Administration



Kara.Schweitzer@state.sd.us

East Central Region

605.220.3381

Business Management &
Administration – Finance - Marketing



Jane.Gubrud@state.sd.us

Northeast Region

605.295.1892

STEM – Arts, Audio Visual
Technology & Communications



Kristin.Larson@state.sd.us

Southeast Region

605.295.1930

Health Science – Information
Technology





The Strengthening Career and Technical Education for the 21st Century Act (Perkins V) works to develop more fully the academic knowledge and technical and employability skills of secondary education students and postsecondary education students who elect to enroll in career and technical education programs and programs of study.

CTE & Perkins

Why Career and Technical Education?

- CTE is an educational option that provides learners with the knowledge and skills they need to prepare for college, careers, and lifelong learning.
 - Students who focus in a particular area of career and technical education attend school more, have higher proficiency scores, graduate at a higher rate than their peers, and figure out their post-high school plans at a 96% rate.
 - Taking courses in CTE, which is diverse enough to encompass robotics, medicine, culinary, diesel technology, marketing, and everything in between, gives students real-world skills while they are still in K-12.
- This experience allows students to proceed confidently into the world of life, including postsecondary education, the workforce, the military.



South Dakota Career and Technical Education Framework Vision:

To transform and expand CTE so that each learner, regardless of background, age, or zip code, is prepared for career and college success.

Five tenets guide this vision:

Tenet I: As an integral part of a well-rounded education, CTE and career exploration are the norm and are student-centered.

Tenet II: Every school district offers CTE programs that are connected to business and industry, postsecondary pathways, real-world experiences, labor market needs, and academic content.

Tenet III: Equity, integration, and alignment are intentional and embedded.

Tenet IV: Students have access to high quality, diverse programs irrespective of geography.

Tenet V: The state will facilitate data, reporting, and application systems that support the above tenets.

Vocational Education (Vo-Tech)

What's in
a Name?

vs.

Career & Technical Education (CTE)

Why the
Change?

Vo-Tech focused on...

Students who performed poorly in academic courses and/or were not considered 'college material'

A small number of low-wage careers

High school and traditional two-year postsecondary institutions only

Static skills only, in place of academic preparation

Short-term training and either training at a two-year postsecondary institution or no college

Vo-Tech

NARROW FOCUS,
SMALL IMPACT

CTE focuses on...

ALL students, regardless of performance or postsecondary and career plans

ALL careers, including high-demand fields such as health science, information technology, and advanced manufacturing

Middle school through postsecondary, including technical institutes and universities

The integration of academics and career preparation within a rigorous standards-based curriculum

Professional certifications, associate degrees, four-year degrees and beyond

CTE

BROAD FOCUS,
LARGE IMPACT

vs.

CTE vs. Vo-Tech Knowing the Difference




South Dakota recognizes **16 career clusters**. Career clusters are designed to help students acquire the knowledge and skills they need to reach their postsecondary and career goals. Each career cluster has its own set of approved CTE courses. The South Dakota CTE team provides a sequence of courses and course standards within each cluster.





Career Cluster Sequence of Courses



CareerClusters™

PATHWAYS TO COLLEGE & CAREER READINESS

Hospitality & Tourism

State Approved Courses for

Hospitality & Tourism Programs

School Year 2020-2021

Foundational CTE Courses			
Career Exploration (22151) Employability (22152) Entrepreneurship (12053) Foundations of Technology (10004) Leadership & Service (22101)			
Cluster Courses			
MS Family & Consumer Sciences (19000) Introduction to Hospitality & Tourism (16001^A) Hospitality & Lodging Management (16051^A)			
Pathway Courses			
Restaurants & Food/Beverage Services Pathway	Lodging Pathway	Travel & Tourism Pathway	Recreation, Amusements & Attractions Pathway
Food Technology (19254)		Event Management (16152)	
Fundamental Food Concepts (16052)		Hospitality & Lodging Services (16101)	
Nutrition & Wellness (19253)		Foundations of Travel & Tourism (16151)	
Nutritional Sciences (16054)			
Restaurant Management & Culinary Arts I (16053)			
Restaurant Management & Culinary Arts II (16055)			
Restaurant Management & Culinary Arts III (16056)			
Dual Credit Courses			
Visit www.sdmylife.com for a full list of dual credit courses in the Hospitality & Tourism Career Cluster.			
Academic CTE Courses			
Economics (04201^A) Sociology (04258^A)			
Capstone CTE Courses			
Entrepreneurship Experience (80026) Senior Experience (80019^A) Youth Apprenticeship (80020) Service Learning (22104) Youth Internships (80018^A)			

Where can you find CTE in South Dakota?



All South Dakota students have access to CTE, including in-person courses at their local school, online through the South Dakota Virtual School, and through dual credit at the State's technical institutes. Additionally, seven districts are providing students greater access to CTE courses through regional collaboration. These districts collaborate to share costs and provide students a wider range of course options that facilitate more comprehensive career exploration and access to a larger network of business partners.



Learning that works for South Dakota

CTE™

There are 30,000 CTE students—
45.3% percent of all students in
grades 7-12 in the state.



95% of all CTE students graduate from high school within 4 years.

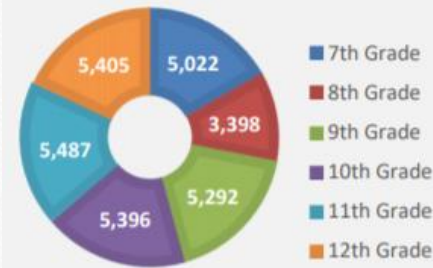


90% of Native American CTE students graduate from high school within 4 years.



87% of CTE students went on to postsecondary education, the military,
or the workforce.

ENROLLMENT BY GRADE
LEVEL



In South Dakota, over
700 CTE programs are
offered in 151 public,
private and tribal schools
districts across sixteen
Career Clusters®.

Enrollment by Career Cluster*

10% 6,627 STUDENTS
in Agriculture, Food & Natural
Resources



6% 3,718 STUDENTS
in Architecture & Construction



10% 6,482 STUDENTS
in Arts, A/V Technology &
Communications



10% 6,291 STUDENTS
in Business Management &
Administration



1% 939 STUDENTS
in Education & Training



4% 2,672 STUDENTS
in Finance



2% 1,110 STUDENTS
in Health Science



10% 6,169 STUDENTS
in Hospitality & Tourism



22% 14,192 STUDENTS
in Human Services



4% 2,328 STUDENTS
in Information Technology



4% 2,556 STUDENTS
in Manufacturing



5% 3,268 STUDENTS
in Marketing



9% 5,509 STUDENTS
in Science, Technology,
Engineering & Mathematics



3% 1,894 STUDENTS
in Transportation, Distribution &
Logistics



CTE In South Dakota: By Numbers

*2018-19

*SY18-19 data reflects duplicate numbers as some students
take classes in more than one career field



Family, Career and Community Leaders of America provides personal growth, leadership development, and career preparation opportunities for students in Family and Consumer Sciences education.



DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe.



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled work force. SkillsUSA's helps its members become world-class workers, leaders and responsible American citizens. It provides quality education experiences for students in leadership, teamwork, citizenship and character development.



Educators Rising South Dakota provides high school students with authentic opportunities to experience teaching, sustain their interest in the profession and help them cultivate the skills they need to be successful teachers.



FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success through agricultural education.



Future Business Leaders of America brings business and education together in a positive working relationship through innovative leadership and career development programs.



HOSA enhances the delivery of compassionate, quality health care by providing opportunities for knowledge, skill and leadership development of all health science education students, therefore, helping students meet the needs of the health care community.

Career Technical Student Organizations



What is Dual Credit?

Dual credit is an opportunity for high school students who meet admissions standards to enroll in public postsecondary institutions in South Dakota and simultaneously earn credits for both their high school diploma and postsecondary degree or certificate.

Dual credit courses are offered by the postsecondary institution's faculty members, are governed by the postsecondary institution's policies, and follow the postsecondary institution's established processes for admissions, registration, billing and grade reporting. Courses include college-level content and subject matter; students choosing to participate are held to the same expectations and standards as college students.

Through a program approved by the South Dakota Legislature, dual credit coursework is available to high school students in grades 11-12 at a greatly reduced rate. Students should connect with a school counselor or administrator to see if they're a good candidate for the dual credit program.





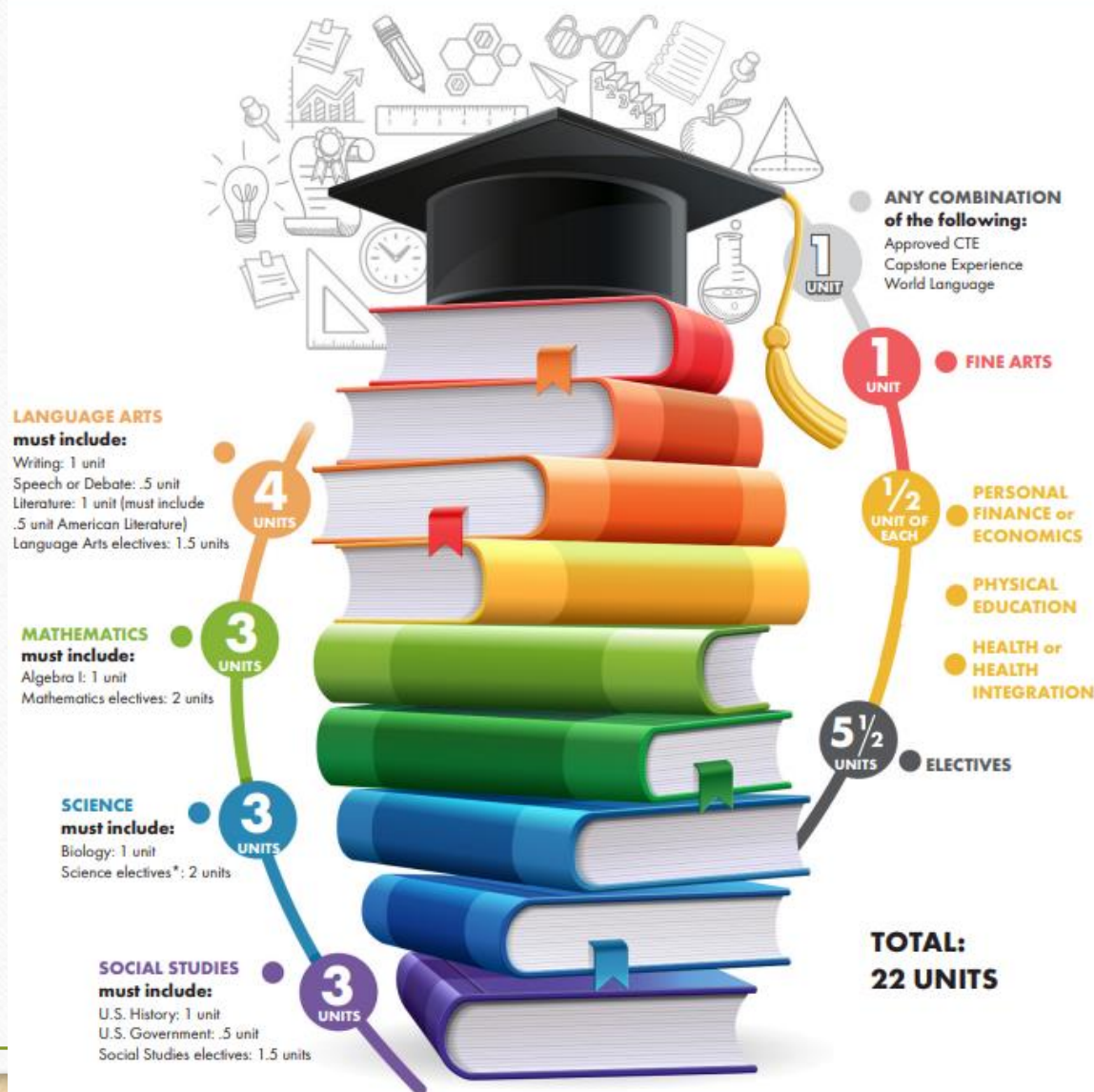
South Dakota's current requirements* for graduation were passed by the Board of Education Standards on July 16, 2018. Those requirements are outlined in [South Dakota Administrative Rule 24:43:11](#). The requirements include a base of required coursework and the ability for students to earn endorsements on top of that base. The requirements are designed to provide flexibility for students to meet their postsecondary and career aspirations within a framework of general requirements.

<https://doe.sd.gov/gradrequirements>

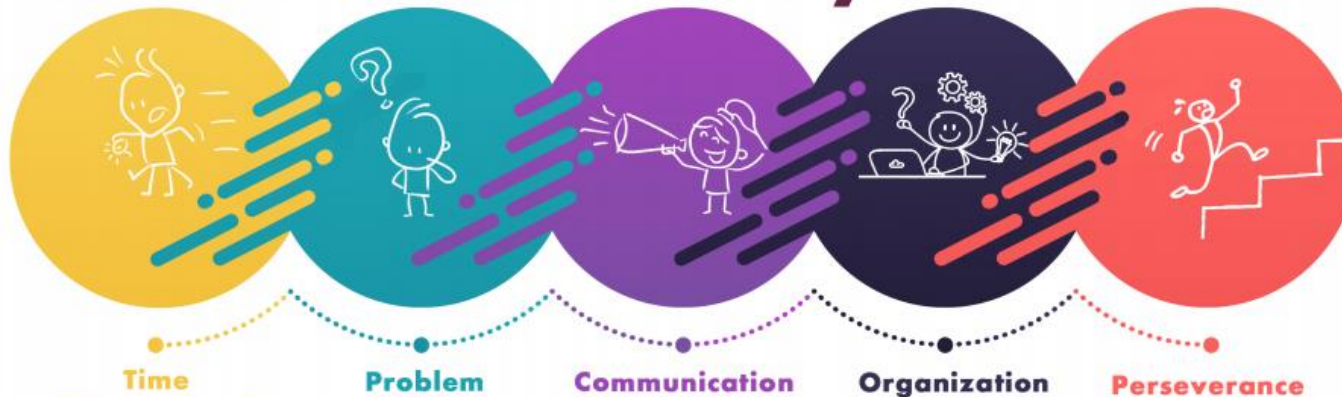
*For Graduation Requirements specific to a student on an IEP, contact
Beth.Schiltz@state.sd.us 605.773.4257

South Dakota High School Graduation Requirements

Approved by the South Dakota Board of Education Standards in July 2018



Soft Skills Key to Success in SD Postsecondary Education



Time Management

80.5% of postsecondary institutions indicate students lack skills necessary to appropriately manage time.

"There will be many due dates and assignments to manage. Budgeting your time and making sure that assignments are turned in is very important."

Problem Solving

70.1% of postsecondary institutions notice students struggle figuring out what to do when something isn't going well with a course, roommate, etc.

"Talking to your instructors, letting them know when you have a problem before an assignment is due, is much easier than after a deadline is missed."

Communication

66.2% of postsecondary institutions indicate that students don't reach out to faculty/staff when they need assistance.

"Create positive relationships with your classmates and teachers by learning how to communicate effectively in person, via email and the phone."

Organization

66.2% of postsecondary institutions notice students lack preparation in order to meet deadlines within courses.

"Your hand is not held in the real world. Learning to organize yourself and stay on task is crucial."

Perseverance

57.1% of postsecondary institutions responded that students had a hard time recovering from failing a test.

"When things get difficult, persist! Don't quit. Ask for help!"



TEAM WORK

Top soft skill postsecondary institutions notice that students sufficiently display.



Soft Skills Students Lack Most by Institution Type

Cosmetology Institutions
 - Time Management
Technical Colleges
 - Time Management

Private Colleges and Universities
 - Communication, Perseverance,
 Problem Solving, &
 Time Management

Public Universities
 - Communication

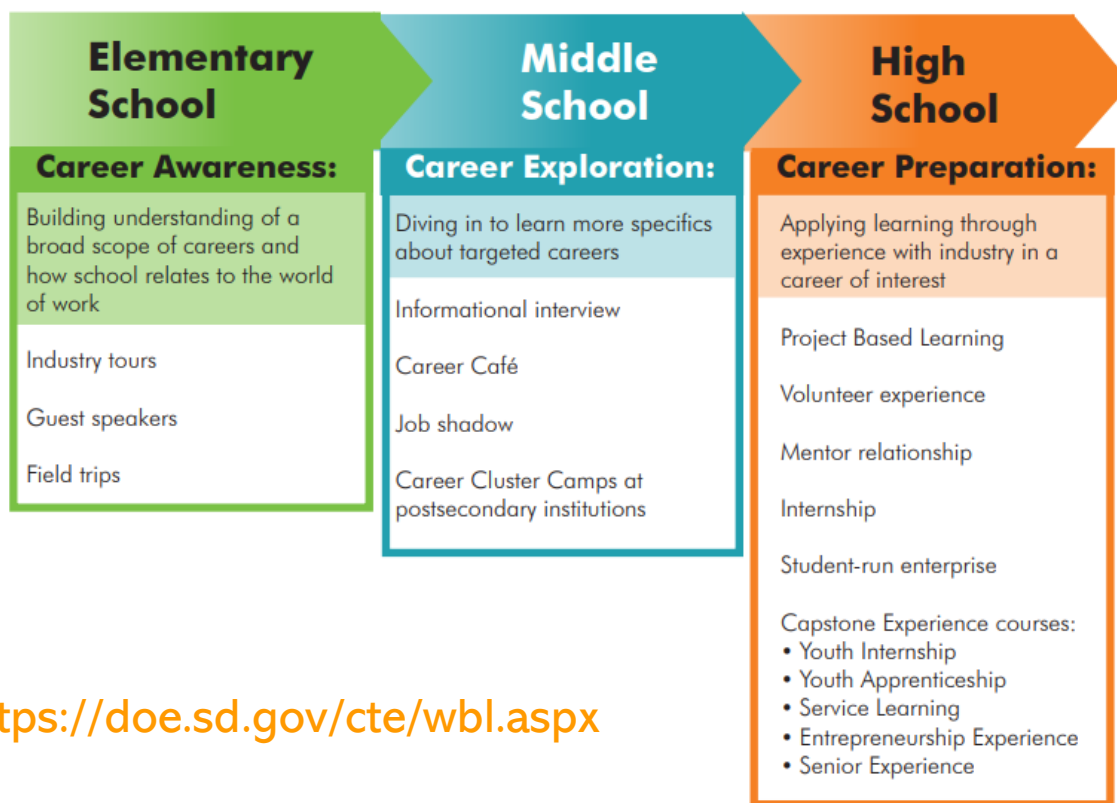
More information available at doe.sd.gov/cte/softskills.aspx

The results are compiled from a South Dakota survey sent to all private and public postsecondary colleges, technical colleges, and universities.

- Soft skills are character skills and personality traits that reflect how you work in general, with others, and by yourself.
- Soft skills are often referred to as essential skills, interpersonal skills, and noncognitive skills. Although there are several soft skills, typical example soft skills are communication, teamwork, problem solving, and adaptability.
- Hard skills, or technical skills, are those learned through education, training, and life experiences on specific topics. Example hard skills are culinary expertise, computer programming, and proficiency in world languages.
- Soft skills are transferrable across education and career, regardless of program of study or place of work.

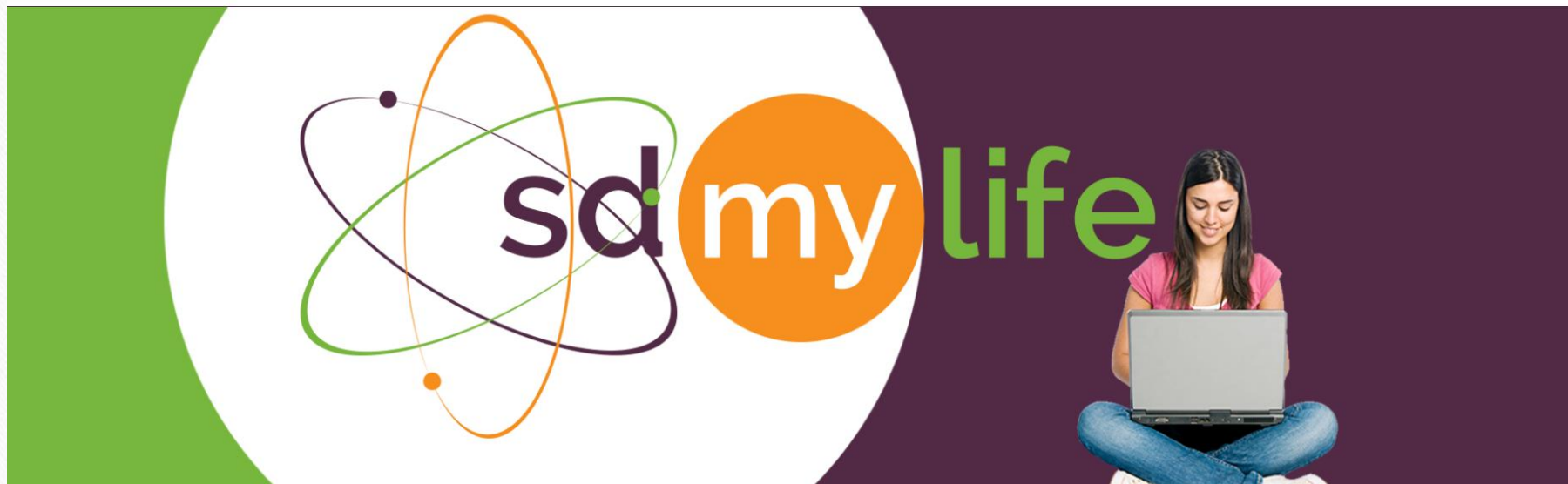
Examples of Work-Based Learning Experiences in K-12

NOTE: The example WBL experiences are not limited to specific grade levels. There may be additional WBL opportunities beyond those listed.



<https://doe.sd.gov/cte/wbl.aspx>

Work-Based Learning (WBL) connects students with industry to engage in real world experiences. WBL experiences bridge academic, technical and employability skill development to help students become college, career and life ready. Whether in the earlier grades with career awareness, middle grades with career exploration, or high school with career preparation, WBL helps students explore careers and develop personal and professional goals for life after high school.



SDMyLife is an online career exploration and academic program for South Dakota students and educators. We are here to help students become prepared for life after high school. SDMyLife's goal is to help students understand how their interests, skills, and knowledge relate to real-world academic and career opportunities. SDMyLife is packed with activities, resources and information to help students in each step along the way.



Career and Technical Education Conference

July 25-28, 2021, Watertown, SD

The South Dakota Career & Technical Education (CTE) Summer Conference is sponsored by the South Dakota Department of Education and in cooperation with the South Dakota Association for Career and Technical Education. Each year, this conference provides over 300 teachers, administrators, and school counselors with opportunities to connect with other educators and to explore best practices that will help them prepare students to be college, career, and life ready.

<https://doe.sd.gov/cte/training.aspx>





Thank you for joining us today!

Contact Information:

Kara Schweitzer

Kara.Schweitzer@state.sd.us

605.220.3381

