



Upcoming Events

Professional Development Opportunities

- Business Education in CTE, Modules 4-6, Oct. 1-31, Online
- Year 3 SD Invest Secondary Counselor Workshop, Oct. 21, Mitchell
- Common Core Literacy Standards for CTE Teachers, Oct. 21, Sioux Falls
- Year 3 SD Invest Secondary Counselor Workshop, Oct. 22, Rapid City
- Common Core Literacy Standards for CTE Teachers, Oct. 23, Rapid City
- Year 3 SD Invest Secondary Counselor Workshop, Oct. 29, Watertown
- Students at Work: Entrepreneurship and Internships, Oct. 30, Rapid City
- Year 3 SD Invest Secondary Counselor Workshop, Oct. 30, Sioux Falls
- Business Education in CTE: Modules 7-9, Nov. 1-30, Online

For more information, or to sign up for any of these professional development opportunities, visit southdakota.gosignmeup.com.

Student Event Opportunities

- Ag & Transportation Camp, Oct. 22, MTI
- Scrub's Camp, Oct. 22, Mission
- Scrub's Camp, Oct. 29, Watertown
- Scrub's Camp, Nov. 19, Mitchell



CTE Infographic Contest

The Department of Education has partnered with Lemonly to create an infographic contest for students. Lemonly is an infographic design/advertising firm in Sioux Falls, and they have created infographics for Target Field, Planter's Peanuts, Pepsi, Toyota, the Green Bay Packers, and many more! All of us understand and appreciate the value of Career & Technical Education, and we'd like to share that message through the students it benefits. Along with raising awareness of CTE, the goal of the contest is for you, and your students, to think about how your classrooms can share the CTE message in a fun and creative way. Help answer the question: How does Career & Technical Education benefit South Dakota? The Division of Career & Technical Education will provide data, statistics, graphics, and even an Infographic course taught by Lemonly as resources for your contribution. For more information visit doe.sd.gov/octe/contest.aspx

CTE INFOGRAPHIC CONTEST

Get creative and help answer the question:
How does Career & Technical Education benefit South Dakota?

CASH PRIZES FOR FIRST AND SECOND PLACE
 Contest runs Oct. 15 - Dec. 19, 2014 - Judging will take place in Jan., 2015

Infographics will be judged on:

- DATA**
 - Creative data
 - Compelling story throughout
 - Clear call to action at the end of the infographic for readers
 - Concise copy (graphic length not too long)
 - Legibility (print or web?)
 - Accurate representation of data
- DESIGN**
 - Strong use of typography (limited number of fonts, consistency between headers, body copy, etc.)
 - Visual hierarchy and balance
 - Strategic use of color
 - Cohesive graphic/illustration styling

Open to any approved CTE program grades 7-12

Teacher Resources, including CTE data can be found at doe.sd.gov/octe/contest.aspx
 For additional information, contact kara.schwelzer@state.sd.us

Online course for CTE teachers:
www.udemy.com/infographics/

Learning that works for South Dakota
CTE
 Sponsored by the SD Department of Education

2014-15 Program Improvement Meetings

The Division of Career & Technical Education will be hosting a series of program improvement meetings for your district CTE team during the week of December 1-5.

Districts with approved CTE programs are required to attend one program improvement meeting in order to meet federal Perkins requirements for program improvement. The program improvement meeting takes the place of the Progress Report and PIP form school districts submitted to our office in the past.

A team of individuals from your district, including CTE teachers, your Perkins coordinator, a school admin-

istrator, and your school counselor, should plan to attend. At least two members from each district CTE team must be in attendance in order to meet the requirement.

During the meeting district CTE teams will review historical CTE performance in order to inform future priorities and set goals for the future. The goals developed at the meeting will be submitted to our office.

Meeting dates and locations are listed below. Each member of your district CTE team should register for the meeting at www.southdakota.gosign-meup.com

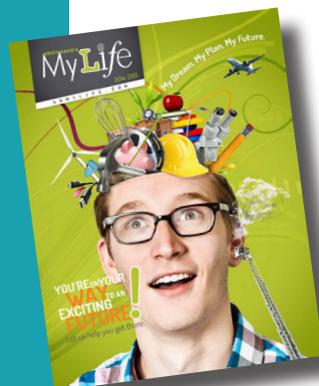
DATE	LOCATION	TIME
Dec. 1, 2014	Rapid City	8:30-11:30 a.m.
Dec. 1, 2014	Sioux Falls	8:30-11:30 a.m.
Dec. 2, 2014	Yankton	8:30-11:30 a.m.
Dec. 2, 2014	Pierre	8:30-11:30 a.m.
Dec. 3, 2014	Brookings	8:30-11:30 a.m.
Dec. 3, 2014	Chamberlain	8:30-11:30 a.m.
Dec. 4, 2014	Mitchell	8:30-11:30 a.m.
Dec. 4, 2014	Aberdeen	8:30-11:30 a.m.
Dec. 5, 2014	Watertown	8:30-11:30 a.m.

Alternate SMyLife Login Now Available!



The SMyLife team is pleased to announce that an additional method for students to login is now available. All students with a "@k12.sd.us" email address are now able to login to SMyLife using their email informa-

tion. They can do this by entering their entire k12 email address in the 'username' box and entering their password for that email into the 'password' box. If students do not have an email address that ends in "@k12.sd.us" (or they can't remember it), they can use their 9-digit SMyLife username and the 6-digit password provided by an educator. Educators can still access students' 9-digit usernames and 6-digit passwords by logging into their Portfolio Administrator accounts.



The SMyLife magazines are now available!
www.sdmylife.com/educators/mylife-magazine/



Apply for a CASE Grant from DuPont Pioneer

DuPont Pioneer is offering grants to high schools to assist with the implementation of CASE in the 2014-2015 school year. Teachers can apply for grants from \$2,500 to \$5,000 for implementing the CASE program in their schools including teacher training, equipment and materials, and end-of-course assessments through CASE Online. Applications must include a brief description of the agriscience program at the school, other CASE certified teachers and how this grant will impact agriscience education.

A letter of support from the district superintendent is also required.

To apply for a DuPont Pioneer Grant, complete the [application here](#).

The deadline to apply for the DuPont Pioneer Grant is Oct. 30, 2014. For questions or to request more information, please contact Community.GrantsProgram@pioneer.com.

Business Partner Highlight

Through the Governor's CTE Grant, a long-standing partnership has expanded to provide hands-on work experience through the youth internship programs as well as dual-enrollment credit. Organizations participating include Sturgis Economic Development Corporation, Sturgis Brown High School, Horizon Machine Inc., Bar-Sto Precision, Air Legend Suspension, Dakota Arms/Remington, Black Hills Grid and Western Dakota Tech.

At Western Dakota Tech, students are enrolled in Machine Shop Operations. When not at WDT, students are completing internships at Horizon Machine, Air Legend Suspension, Bar-Sto Precision, and CMW (a local welding/manufacturing company). These individuals are applying their WDT coursework to real-world applications at their internship sites.

Lars Zimmiond, SBHS senior, is completing his internship at Bar-Sto Precision said, "I switch out the parts and hit the "Cycle Start" button. As the machine runs, I pay attention to the monitor and get an idea of what all the numbers and symbols mean."

"The exercises we are doing [at WDT]," Zimmiond said, "help us link our mind, caliper tools and the machines together."

His youth internship site supervisor, Irving Stone, III, owner of Bar-Sto has participated in the SBHS youth internship and reverse career fair for several years. In California, Stone participated in a work experience class at his local high school. He became involved in the program at SBHS for several reasons.

"It's giving back to the community while bringing in future employees," Stone said. "You get a better employee because of relationship you've established."



Career Cluster: Manufacturing

Manufacturing is one of South Dakota's largest and in-demand industries. If you are the type of person who is interested in planning, managing and performing the processing of material into a final product, a career in this cluster may be for you. There are six different pathways in the Manufacturing cluster, including:

- Production
- Manufacturing, Production Process Development
- Maintenance, Installation and Repair
- Quality Assurance
- Logistics & Inventory Control
- Health, Safety & Environmental Assurance

Students considering a career in the Manufacturing Cluster should consider taking courses in:

- Machine Tool
- Welding Technology
- Mechatronics/Robotics
- Mechanical Drafting
- Physics
- Geometry
- Capstone Experience

CTE Mythbuster



Myth: My career path will remain fairly stable throughout my adult life.

The fact is, nearly half of all graduates change their career plans after they finish college, and the average person changes careers nearly eight times in his or her lifetime. Education and training is never a waste, because you gain new skills and life experience that helps guide you through any career change.

Postsecondary Partner Highlight

Southeast Technical Institute – Sioux Falls, SD

Southeast Tech is South Dakota's leading technical institute generating nearly 1,000 graduates every year. As Sioux Falls' most affordable option, it allows students the ability to earn their degree or diploma in more than 50 career choices in 24 months or less. At Southeast Tech, we do one thing and do it well - educate for employment success! With more than 50 career paths to choose from, our students enter the workforce confident and experienced in their chosen profession. Also because our students spend just two years with us, their knowledge base is fresh and innovative. Southeast Tech is accredited by the Higher Learning Commission and is a member of North Central Association of Colleges and Schools.

Data Highlight:

Manufacturing

- There are over 1,125 manufacturing companies in South Dakota.
- Advanced manufacturing makes up 9.1% of South Dakota's economy.
- Currently, there are over 2,700 welders, cutters, solderers, and brazers employed in South Dakota.
- Starting average salary range for a welder is between \$27,000-\$31,800.
- The estimated demand in the manufacturing market is 30.9% growth from 2012-22.

CTE Regional Specialist Profile

Alyssa Krogstrand



I am the Central Region Career Development Specialist and School Counseling specialist. I also am the lead for work-based learning and Graduation requirements. I am originally from Nebraska, born and raised, where I received my undergrad in Business Education & Marketing and my Master's Degree in School Counseling. I have worked at the South Dakota Department of Education for two years. My husband John is from South Dakota, and we have a son who keeps us busy and on our toes. In my "free" time I love watching sports and hanging out with my family. I also enjoy traveling around the United States as well as to Brazil.

Phone: (605) 773-4150 Email: Alyssa.krogstrand@state.sd.us

Monthly Video

Career and Technical Education Opening Doors

Are you looking for ways to help students and parents learn more about CTE? CTE Opens doors for high school students by providing real world experience and hands on learning for in demand careers. Share this message with your students, their parents, community members, business leaders, and even other educators, to show them what CTE really is!



https://www.youtube.com/watch?v=diTtw0XD7ZY&list=UUyELvhISGHZs5cb_MT2RFeQ



In The News

South Dakota News

- Madison CTE Program Pushes Manufacturing Industry
- Different Paths Find Teachers
- Construction Begins on Aberdeen's New Tech School

National News

- Where the Jobs Are: The New Blue Collar

Contact Information

 Learning that works for South Dakota

800 Governors Drive | Pierre, SD 57501-2291
P: 605.773.3423 | F: 605.773.4236
doe.sd.gov

