



Be a Link! - Strategic Plan Topic Teams

The CCCS Career and Technical Education Perkins new State Plan website (www.coloradostateplan.com) has added new items of interest! On the right-hand side of the page you will find The Strategic Plan Registration Form – which allows you to register your contact information and interest in being included in the topic teams that are providing advisory input for the new Perkins State Plan. The topic teams are an integral part of the success of future Colorado CTE programs.

On the left hand side of the page you will see a new menu item called “Library”. Here are resources for your use. The Library is updated regularly, so stop by often.

You can reach this website directly using the www.coloradostateplan.com address or you can go to the CCCS home page (www.cccs.edu) then click on Career & Tech Education, and then click on Colorado State Plan Website.

Partnership effort with Business and Industry

CCCS is collecting information to develop a strategic plan to enhance career and technical education (CTE, formerly known as vocational education.) The plan will include both high school and community college level programs in Colorado.

Expertise from business and industry is highly valued by career and technical educators. This survey is referring to Career and Technical Education in general and not to any specific CTE program. The results will help guide the future direction of Career & Technical Education in Colorado.

We would appreciate your help in getting the word out to your contacts in the business world. The survey is located on the CCCS State Plan Website, right hand column: www.coloradostateplan.com.

###

CTE Math Project Successfully Employed at RRCC

Red Rocks Community College has successfully employed the Math in CTE model, which offers “real-world” mathematics applications, in the Construction Academy that provides dual enrollment and credit opportunities for high school students.

The Construction Academy partners with local related industry, and was designed to provide students an exposure to the construction, engineering, and trades professions.

“Geometry Principles” is a trade-based academic course within the Construction Academy built on the Math in CTE method used in the research study. With an eye on CSAP math performance standards, the curriculum was designed to apply math in the context of construction. For example, students calculate volumes while determining the amount of excavation required for a construction project. Teachers report increased attendance and enthusiasm, and students relate that the class is more realistic, interesting, and easier to understand than a traditional math class.

The program began with three area high schools and has expanded to 10. There are plans to add algebra and technical writing, similar to “Geometry Principles”, to the curriculum. Other CCCS colleges are also employing similar programs in other subject areas.

The pilot study, conducted by the National Research Center for Career and Technical Education, was undertaken to evaluate the effectiveness of curriculum integration, specifically involving math and CTE courses. Math concepts, already existing in high school career and technical education (CTE) coursework, were enhanced to provide students with contextual learning. Colorado was one of the participating states in the two year study, and our own Sherrie Schneider, director of Curriculum and Instruction for CCCS, was a coordinator for the project.

In the research study, CTE and math teachers were paired in order to integrate the curriculum and extract the embedded math concepts, thereby allowing students to apply the math to an area of occupation. Two groups of students were followed, those that participated in the integrated courses (experimental group) and those that were taught CTE using traditional methods (control group). These two groups were evaluated using common standardized math tests before, during, and after completing the coursework. The test scores for the experimental group significantly improved upon completion of the coursework, with no loss of technical knowledge. The results of this research study indicate that giving math a real-world occupational context not only engages students, but results in a better understanding of math concepts that can be transferred to other settings and increase overall math achievement.

###

Scholarships Available for New Ag Business Degree at TSJC

This fall Trinidad State Junior College will offer new associate of applied science and associate of general studies degrees in agriculture business. Start-up funds have been provided through a USDA Hispanic-Serving-Institution grant that also include scholarship funding up to \$1,500 per student per academic year.

“The agriculture-business scholarships are provided through the grant funds and are not part of the TSJC Educational Foundation Scholarship program,” explained Lesley Pearson, TSJC business instructor. “A student can be awarded an ag-business scholarship and a TSJC Educational Foundation scholarship.”

Designed to prepare students for careers in agriculture-related fields upon graduation with an associate’s degree or transfer to a four-year school to pursue a bachelor's degree. TSJC is currently pursuing transfer agreements with four-year colleges in

Colorado and surrounding states to ensure a seamless transition to four-year institutions with agriculture business programs.

“The pending transfer agreements with four-year schools are a critical component of this program,” Pearson added.

May 1 is the deadline for scholarship applications. For more information or to obtain a scholarship application, contact Lesley Pearson at 719-846-5534 or Lesley.Pearson@trinidadstate.edu.

###

NJC to reopen Diesel Program This Fall

Northeastern Junior College will re-open its diesel training program this fall after a four-year hiatus. The new curriculum is being designed to more closely meet current industry needs. Justin Mertens will serve as the lead diesel technology instructor and coordinator of the program.

The revamped program will featured a stronger emphasis on medium and heavy duty trucks and heavy equipment. Previously, the program focused on the upkeep and repair of agriculture equipment to include implements as well as engines. Students will still work on some ag equipment; however, the growing transportation industry requires a shift in emphasis to medium and heavy duty trucks.

“We listened to the industry,” said Stanton Gartin, vice president of academic services at NJC. “The dealers told us that they need diesel technicians who are highly skilled to work on trucks, heavy equipment and diesel engines used in various other capacities.”

There are a number of industries outside transportation that use diesel engines extensively including power plants and manufacturing facilities. The new curriculum will train technicians ready to work on diesel engines in whatever capacity they are used.

Students may sign up now for the classes starting this coming August. For more information contact Justin Mertens at 970-521-6693.

###

Pueblo Welding Students Offered Jobs at Xcel Upon Graduation

The contractors and unions building an Xcel power plant in Pueblo have offered jobs to the entire graduating class of welding students from Pueblo Community College.

Prompted by an enormous shortage of welders for Xcel’s expansion and refitting project at the Comanche Power Plant that will add a third 750-megawatt power-generation unit and upgrading the other two units.

Based on a relationship between Xcel and the college, the 15 students coming out of PCC’s two-year program and 30 students graduating from welding programs at Pueblo high schools have all been offered a paying apprenticeship with their union of choice on the Xcel project.

Starting salary for the students will be between \$15 and \$16 per hour with the opportunity during the four-year apprenticeships to move up in certification and pay.

###

**Online Conference:
Increasing Retention, Completion of Nontraditional CTE Students**

Why are students less likely to complete career and technical education (CTE) programs that are nontraditional for their gender? What barriers do they face? What support services do they need? What can I do in my classroom? How can the whole school help? These questions and more will be answered during a two-hour webinar, May 8, 11am - 1pm (MDT).

The session will introduce you to the tools needed to increase the retention and completion of students in nontraditional CTE programs. Three key areas will be addressed:

- Identifying current nontraditional occupations for men and women and the CTE programs that prepare students for these careers;
- Understanding the root causes for a low retention rates of underrepresented gender students in nontraditional career and technical education programs;
- Identifying effective institution-wide and classroom based strategies to combat the root causes and increase the retention and completion of students in nontraditional CTE.

Well known educator Mimi Lufkin who has more than 26 years experience as a teacher and administrator on local and state level projects, will be the speaker. She began her career as a high school agricultural education teacher and then as an educator in the Agriculture Education Department at California Polytechnic State University, San Luis Obispo. In 1994, Lufkin moved to Pennsylvania and became the Executive Director of the National Alliance for Partnerships in Equity, a consortium of state and local education and workforce agencies providing national leadership for equity in education and workforce development.

The online conference is ideal for vice presidents, deans, program directors, high school principals, secondary and postsecondary CTE instructors and faculty of nontraditional CTE programs; secondary and postsecondary career/guidance counselors, and secondary and postsecondary CTE administrators.

###

Ridge View Robotics Team Proceed with Machine-Like Dependability

Eight Ridge View Academy student athletes form the Robotics Team that competed in the 2007 US FIRST Robotics competition and traveled to Atlanta last weekend with Arvada High School and Mont Clair High School to compete in the US FIRST national robotics competition.

All teams have six weeks to design and build a robot that competes against other teams in performing certain routines. Within the process, RVA mentored students at Abraham Lincoln High School, which subsequently made a strong showing into the quarter finals of the three-day competition.

At the initial competition, the RVA Robotics team competed in uniforms consisting of tuxedo shirts, bowties and black pants. Demonstrating teamwork and collegiality with other teams, RVA quickly became the team to beat. In the final round, after overcoming a ROBOT breakdown, they teamed up with ROBOTIC teams from Arvada High School and Mont Clair High School, New Jersey. By the end of the final round, RVA and the two other schools were the regional winners. In addition, the RVA team was awarded the *Underwriters Lab Industrial Safety Award* and the *Johnson and Johnson Safety Award*.

The *FIRST* Robotics Competition will reach more than 32,500 high-school students on 1,300 teams in 37 regional competitions.

###

Warren Tech Health Care Students Excel at State Competition

Twenty-seven Warren Tech health care students competed in the state HOSA conference in early March, the first year of participation for both Warren Tech programs-Health Sciences Technology and Dental Assisting. In fact, Warren Tech was the only Dental Assisting program participating in Colorado's state competition. Students performed extremely well for their first year.

Anna Rehl and Andrea Witte placed first for documenting their chapter's year-long community service project with the Denver Rescue Mission. Katie Pastorius, Lizzie Knapp, Eva Dindinger and Lee Allison placed first in bio-medical debate. In addition, Amanda Edwards, Kyle Gehrke, Alyssa Armentrout and Samantha Crumb placed second in creative problem solving. Dental students Cameron Westover and Hannah Knox placed second and third, respectively, in researched speech. Finally, Gabrielle Thorne placed second in prepared speech. These state winners will now travel to Orlando, Florida to represent Colorado at national competition June 20 - 23.

Along with contest successes, three students were elected to state board positions, serving one-year terms on the Colorado HOSA student governing board. Anna Rehl was elected state vice-president, Alicia Lovato state vice-president of Marketing and Eva Dingdinger state recorder.

###

Three Warren Tech Students Headed to National DECA Competition

In only their first year of DECA participation, Warren Tech's Hospitality and Event Planning students qualified for state and national DECA competitions.

Twelve Warren Tech students attended the state competition at the Broadmoor Hotel in Colorado Springs, including Jessica Fredericks, Sarah Pope, Nick Selby, Monica Mucilli, Christina Zamora, Kayla Pedraza, Caley Dean, Hannah Jesse, Leilani Mock, Brian Weaver, Beth Kildow and Kasondra Pennetta.

Sarah Pope, Quick Service Restaurant, and Monica Mucilli and Christina Zamora, Hotel and Lodging Management, qualified for competition at DECA Nationals in Orlando, April 28 - May 1.

Warren Tech's Entertainment and Event Planning class is designed to keep pace with metro Denver's growing influence in the global business community. Students learn how to plan events, work with vendors, prepare presentations and negotiate contracts.

The Hospitality, Travel and Tourism program teaches students customer service, business/dining etiquette, airline/airport codes and reservation simulations, geography and tourism, hotel/resort visitations, and fundraising. Students also participate in an internship within the hospitality industry.

###

Brighton Siblings Create Livestock Magazine

The Showtimes, Colorado's Junior Livestock Magazine, a quarterly publication that focuses on FFA teachers, county extension agents and livestock judges in Colorado and Wyoming, was founded by Brian, Laurie and Lisa Reid, Brighton siblings with their roots buried deeply in FFA, 4-H and other high school and college activities.

The Reids have been involved in livestock nearly all of their lives and between them have accumulated an impressive array of national, state and local awards, earning them a place in the "Who's Who" of the junior livestock industry.

Twenty-year-old Brian originated the magazine's idea and with sisters Lisa, 15, and Laurie, 16, brought it to life. Featuring show results, photographs, information on upcoming shows and sales as well as columns and other industry topics, *The Showtimes* is finding a growing audience.

###

SLHS FCCLA Hosts Successful Memorial Walk to Honor Crash Victims

The Standley Lake High School FCCLA hosted a Remembrance Walk to honor those that died in auto crashes. Caitlyn Craig Foundation and Alive at 25 were also involved in the event. The walk was moved indoors because of the weather, but a balloon release still took place outside. Rep. Joe Rice was on hand urging participants to support legislation to create the primary seat belt law. All donations raised from the walk will be shared 50/50 with the Colorado State Patrol Family Foundation's Alive at 25 defensive driving program, a 501 (c)(3) non-profit.

###

CACTE Summer Conference will be July 9-12 in Fort Collins

The CACTE Summer Conference will be held July 9-12 in Fort Collins with more than 350 CTE teachers and administrators expected to attend. Visit the CACTE website – www.cacte.org – and click on "Events" to review the program outline and registration form. The website updates will be added as conference activities are developed. The

new Carl Perkins reauthorization requirements and the latest on Career Pathways will be the conference's major focus.

###

Summer 2007 Professional Development Courses and Workshops

Summer In-Service Workshops

Once again Carl Perkins Leadership funding will support Family and Consumer Sciences (FACS) Workshops this summer. Workshops and training are scheduled during the weeks of June 11 and 18 at the Lowry Campus Conference Center, 9026 E. Severn, Building 967. (A map: <http://www.cccs.edu/AboutCCCS/LowryCampus.html>). In an effort to condense some of the training, several one-half days have been scheduled. You may select only a ½ day if it fits your needs. Curriculum teams will share standards, outlines, resources and lesson plans with participants. The schedule is as follows:

Monday, June 11 & Tuesday, June 12 – Beginning Interior Design (principles and elements, presentations boards, and basics will be covered in this workshop – if you have not taken this beginning workshop and want to offer Interior Design (two semesters), you need to take this workshop.

Wednesday, June 13 **Advanced Interior Design at CSU*** (more on commercial design)

Thursday, June 14 **Interior Design** (1/2 day 8:30 am to noon) and **Fashion Design** (1/2 day 12:15 pm – 4:30 pm) – Curriculum teams will share outlines, resources, and lesson plans.

Friday, June 15 **Catering at Pikes Peak Community College in CO Springs**** - Open to any catering, ProStart, or culinary arts teachers.

Monday, June 18 **FCCLA National Programs and Marketing FCCLA to your Students**

Tuesday, June 19 **Nutrition and Wellness** (1/2 day 8:30 am to noon) and **Food Science, Dietetics, and Nutrition** (1/2 day 12:15 pm to 4:30 pm)

Wednesday, June 20 **World of Work/Wage Earning** (1/2 day 8:30 am to noon) and **Early Childhood Education** (1/2 day 12:15 pm to 4:30 pm)

Time: 8:30 a.m. - 4:30 p.m. (unless you are attending only a ½ day session)

Cost: None – lunch will be provided (for full and half day sessions)

Limited to 45 participants per workshop – first-come, first-served.

Registration

You must register for any or all of the workshops listed above by **June 1**. These workshops may fill up quickly so register NOW!! Go to:

<http://www.rsvpbook.com/event.php?440518>

***Directions to CSU, 152 Aylesworth Hall SE, Rooms 171 & 173:** Take I-25 North to Ft. Collins and exit at Prospect Rd. Head west about 5 miles. After the intersection at College and Prospect Rd, take a right at the 2nd stop light at Whitcomb. Go to the 2nd stop sign (Pitkin) and turn right. The class will be held in Aylesworth Hall – the first building on the left. Park in the parking lot on the left. Parking is \$2.

**** Directions to Pikes Peak Community College, 5675 S. Academy Blvd. Colorado Springs** (<http://www.ppec.edu/OurCampuses/Centennial/>): From I-25 take Exit 135 west towards the mountains. Get into the left hand lane as soon as possible. Turn left into the campus, and follow campus road to Parking Lot D. Drive to the northeast corner of the parking lot, and go up last flight of concrete steps to the Breckenridge Building. You will see the Campus Book Store when you reach the top of the stairs. Go into loading dock door that says “Culinary Arts B-206” just to the left of the Book Store.

###

2007 VE-135 Deadlines

CCCS is required by law to collect the VE-135 follow-up and enrollment data each year in order to comply with the accountability requirements set forth by both the state funded Colorado Vocational Act (CVA) and the federally funded Carl D. Perkins Act. The VE-135 enrollment and follow-up data affect your CVA reimbursements, program renewals (5-year trend reports), whether or not you qualify for the extra Perkins reserve funds, and your Perkins performance subindicators. Other reports may be produced internally throughout the year for CCCS staff from the data in order to maintain, as well as continually improve, CTE in Colorado.

- You **must report the VE-135 data** even if you do NOT receive state or federal funding for your approved CTE programs.
- If you **contract with another school** to send your students to attend their approved CTE program, then your school is required to provide the VE-135 student enrollment and follow-up data to the contractor institution and they in turn are responsible for reporting the data to CCCS. Both institutions are responsible for implementing a system between them in order to assimilate the data for reporting to CCCS.

The next deadline for the 2006-2007 VE-135 reporting year is the enrollment, which needs to be complete by June 30, 2007.

Contact Julie Eddy at julie.eddy@cccs.edu or 303-595-1527 with any CTE data reporting questions or comments. Thank you for all of your reporting efforts!

###

VE-135 Reporting of Tech Prep Students

Please continue to report Tech Prep students as usual in your 06-07 VE-135 enrollment because we are still under the accountability reporting guidelines of Perkins III. In 2007-

08, we will begin reporting under the new Perkins IV accountability requirements and will phase out reporting on Tech Prep students in the VE-135.

###

Electronic Revisions for Program Approvals

All revisions to existing CTE programs must be entered in the electronic Program Approval system at www.cccs.edu. Click on Career and Technical Education and follow the Program Approval prompts.

###

Colorado CTE Event Calendar

For upcoming meetings and events related to career and technical education, please see our online Colorado CTE Event Calendar at www.calendarwiz.com/ctecalendar. You will see a drop down calendar category choice, which will let you limit the event types you would like to view to “General CTE” or “Career and Technical Student Organizations” or “All” events. Just click on an event to see a pop up window with event details such as event contacts, location, maps, websites, etc. You even have the ability to download events directly to your personal Outlook calendar. Contact Julie Eddy at julie.eddy@cccs.edu or 303-595-1527 with any questions, comments, or event additions.

###

CTE Leadership

Leadership	Contact	Phone
Vice President, Academic & Student Affairs	Linda Bowman	303-595-1549
Assoc. Vice President & Provost	Geri Anderson	720-858-2759
Assoc. Vice President, Compliance & Technical Support Office Manager	Jennifer Sobanet	303-595-1569
Interim Dean, CTE	Dave Eberle	720-858-2773
Administrative Assistant	Monique Amerman	720-858-2705
Program Assistant	Pat Sagrillo	303-595-1568
	Sherrill Albert	303-595-1564
Compliance & Technical Support		
New State Plan Coordinator	Sherrie Schneider	303-595-1663
Director Perkins	Lorrie Toni	303-595-1565
Data & Research Mgr VE 130, VE 135	Julie Eddy	303-595-1527
CVA Credentialing Manager	Brian Jenkins	303-595-1572
Budget & Data Coordinator	Rachel Erbert	720-858-2760
CTE Web Designer	Victoria Ekelund	303-595-1613
Perkins Programmer	Shuxin Yin	303-595-1644
Administrative Assistant	Vacant	

CTE Credentialing Officer	Sherry Marston	303-595-1650
Administrative Assistant	Karen Glover	303-595-1648
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CTE Program Assistance		
Agriculture Education		
Program Director	Scott Stump	303-595-1578
FFA State Advisor	Kenton Ochsner	303-595-1562
Administrative Assistant	Sherri McCusker	720-858-2741
Business and Marketing		
Interim Program Director	Patsy Krechel	720-858-2746
DECA State Advisor	Jim Tierney	303-595-1576
FBLA State Advisor	Deborah Ramirez	303-595-1583
Administrative Assistant	Linda Bigley	303-595-1617
Family and Consumer Sciences		
Program Director	Gail Anderson	303-595-1616
FCCLA State Advisor	Patti Krattenmaker	303-595-1581
Interim Admin. Assistant	Crystal Kelly	720-858-2740
Health/Education/ACE		
Program Director	Cindy Le Cog	303-595-1590
HOSA State Advisor	Linsey Pollart	720-858-2752
Interim Admin. Assistant	Crystal Kelly	720-858-2740
Technology/Trades and Industries		
Program Director	Darrell Green	303-595-1580
Skills USA/TSA/State Advisor	Ben Nesbitt	303-595-1614
Administrative Assistant	Sherri McCusker	720-858-2741
Advanced Credit Pathways (Escrow) Credit	Geri Anderson	720-858-2759

###

CTE Technical Assistance

The Colorado Community College System Career and Technical Education (CTE) technical support:

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Technology/Trades and Industries

Darrell Green, Program Director darrell.green@cccs.edu 303-595-1580

Ben Nesbitt, SkillsUSA/TSA State Advisor, ben.nesbitt@cccs.edu 303-595-1614

CTE Data & Research Manager, Julie Eddy julie.eddy@cccs.edu 303-595-1527

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Valuable CTE Websites

CCCS CTE Perkins new State Plan: www.coloradostateplan.com

CTE Directory: http://www.cccs.edu/Docs/CTE/Voc_Director_Directory.pdf

Secondary CTE Job Board: <http://www.cccs.edu/HR/CTE-JobBoard.html>

Colorado Community College System: <http://www.cccs.edu/>

Credentialing Office: <http://www.coloradocredentialing.org/>

CTE Forms and Reports from CCCS: <http://www.cccs.edu/CTE/FormsReports.html>

FCCLA: www.fccla.cccs.edu

Colorado DECA: www.deca.cccs.edu

Colorado DECA Newsletter: <http://www.deca.cccs.edu/NEWSLETTER.HTM>

SkillsUSA: www.skillsusa.cccs.edu

FBLA-PBL: <http://www.fbla-pbl.cccs.edu/>

FBLA Newsletter: <http://www.fbla-pbl.cccs.edu/newsletters.htm>

FFA: <http://www.njc.edu/ffa/>

HOSA: <http://www.hosa.cccs.edu>

CACTE: www.cacte.org

TSA Colorado: <http://www.cotsa.cccs.edu/>

ACTE: www.acteonline.org

E-Colorado: <http://www.e-colorado.org>

Colorado Technology Education Association: www.cteaonline.org

###

This is the issue #83 of **CTE Trends**. The next issue will be released May 1.

Schedule for academic year: May 15, 29

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