



## CAREER & TECHNOLOGY EDUCATION

VOLUME 7, ISSUE 4-FEBRUARY 2005

### DATES TO REMEMBER

**RFP Due Date (FY06)**  
March 3, 2005



**End-of-Course Assessment Workday**  
March 8, 2005  
7:30 AM-3:30 PM  
EGOS, Glenarm Conference Room

**VE135 Due Date (2<sup>nd</sup> Semester)**  
March 18, 2005 (VE135 Form Link Below)  
<http://cte.dpsk12.org/pdfs/VE135-8-18-04.pdf>

**CTE Professional Development Half Day**  
April 11, 2005  
12:30-3:30 PM  
Career Education Center

**All teachers are expected to attend.**

**Denver Regional CTE Workshop**  
March 6, 2005  
Johnson & Wales University  
Use the following link to register on-line.  
<http://www.cccs.edu/cte/workshops.html>

**On-Line Course Evaluations (2<sup>nd</sup> Semester)**  
The on-line course evaluations for second semester are now available. Plan on having students complete evaluations when they return from Spring Break. Please use the following link.  
<http://164.92.126.25/pgriffi/gw-web/index.htm>

**CTE Documentation Due**  
May 20, 2005  
Advisory Committee Minutes  
Advisory Committee Members List  
Student Organization Documentation  
Mileage Reimbursement  
Travel Reimbursement

**TIE 2005**  
June 21-24, 2005  
Copper Mountain, Colorado

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### US FIRST ROBOTICS COMPETITION

Students from John F. Kennedy and North High Schools will participate in the US First Regional Robotics Competition, March 24-25, 2005 at DU. Paul Jasinowski, Physics & PLTW teacher, is the sponsor at Kennedy. At North, Computer Magnet teacher Cary Knott, Physics teacher Brandon Whittaker, Business Education teachers Sherrie Clapp, Maria DeSantis-John, and Sarah Ozee are all actively involved in the project, making this a true integration project. **We wish Kennedy & North the best of luck at the competition!!!! Go Get 'Em!!!!!!!**



### RMN NEWS STOCK MARKET

Students in Pat Walker's Business Management class at East High School participated in the Rocky Mountain Stock Market game. This was the first year East has competed and one team placed first in our region. Members of the team were Devon Gallipoli, Luke Johnson, and Cody Tallbull. They won \$175 from the News. **Congratulations!!!**

## **CAREER & TECH. ED. BEST PRACTICES CONFERENCE**

John F. Kennedy High School was the host school for approximately 60 CTE teachers for the 4<sup>th</sup> Annual CTE Best Practices Conference on Saturday, February 5, 2005. Once again, Steve Spangler, Channel 9's The Science Guy, got everyone laughing and engaged for the day.



### **Conference workshops included:**

#### **Not Just Another Flash in the Pan**

*Presented by: Olin Morrow, Hamilton*

Incorporating Macromedia Flash into the teaching experience.

#### **Geographic Information Systems**

*Presented by: Jerry Clayton, West and Robb Menzies, GIS*

Intro. to GIS technology and how to incorporate it into community/project based learning.

#### **How About Using Jeopardy**

*Presented by: Donna Sorensen, Florence Crittenton and Jamie Johnson, Montbello*

Creative ways to present/review instructional units.

#### **Shop and Tech Classes and CSAP**

*Presented by: Joel Noble, East*

Raising scores and student achievement.

#### **Beyond Information**

*Presented by: Martha Wilcox, Grant*

How the internet can be an invaluable communications tool.

#### **WES Standards**

*Presented by: Nate Leaf, John F. Kennedy*

Review of newly adopted WES standards. How classroom materials meet state standards.

## **CAREER & TECH. ED. BEST PRACTICES CONFERENCE (cont.)**

#### **Why Try**

*Presented by: Marta Osuna and Cal Hosman, Student Services*

Helping students achieve opportunity, freedom, self respect and help them answer the question, "Why try in life?"

#### **Troubleshooting 101**

*Presented by Cary Knott, North and Mark Francis, Thomas Jefferson*

Hands-on training in computer troubleshooting.

#### **I-Safe Program**

*Presented by Annette Sills-Brown, Abe Lincoln*

Developing awareness and knowledge that enables students to recognize and avoid dangerous, destructive, inappropriate or unlawful on-line behavior and to respond appropriately.



#### **Reaching the Digital Learner**

*Presented by: Kevin Marlatt, Computer Magnet*

Learning models, instructional design and technology that address the needs of the digital learner.

#### **Geometry Principles-Math for CTE Teachers**

*Presented by: Mark Bell, CEC Middle College and Jerry Shin and Cathy Rock, RRCC*

Can high school math be relevant, rigorous and fun?

**All workshops were presented by CTE teachers.**

**Thanks goes to John F. Kennedy, book vendors, presenters and teachers who participated.**

## NEW VIDEOS AVAILABLE

The CTE office has 3 new videos available for check out to CTE teachers.



### **Get a Life-Electrical Apprenticeship Program**

The Ultimate in the Electrical Industry

### **Make a Difference-Choose Construction**

An entertaining and informative look at construction career opportunities.

### **Women are Surgeons**

Join three female surgeons in their professional and personal lives.

### **YOUNG WOMEN IN SCIENCE & TECHNOLOGY RETREAT**

25 young women from Florence Crittenton and North HS attended the Young Women in Science and Technology Retreat hosted by DeVry on February 3, 2005. They were accompanied by teachers Dorothea Hogue and Mary Hendrix. The retreat included interactive games, team building exercises, industry role models, industry panel discussions and provided information about career opportunities.

### **DISTRICT FBLA**

Approximately 100 students from A. Lincoln, CEC, East, Florence Crittenton, George Washington, John F. Kennedy, and South High Schools participated in the district FBLA competition on February 3, 2005 at Gateway High School. Those students who qualified will head to Vail in April for the state competition. **Congratulations and good luck to all state qualifiers!**

#### **Career & Technology Education Team**

<b>Karen Ellis</b>	<b>720-423-4868</b>
<b>Judy Morr</b>	<b>720-423-4870</b>
<b>Donna Jiron</b>	<b>720-423-4866</b>
<b>Christine Sandoval</b>	<b>720-423-4706</b>
<b>MaryJo Bruskiwicz</b>	<b>720-423-4709</b>
<b>FAX</b>	<b>720-423-4882</b>
<b>Website</b>	<b><a href="http://cte.dpsk12.org">http://cte.dpsk12.org</a></b>

## CACTA MID-WINTER CONFERENCE

Two CTE teachers, Teresa Coberly, South and Robert Hofmann, CLA, presented Proactive Schools at the Colorado Association of Career & Technical Administrators Mid-Winter Conference held in Colorado Springs February 15 - 18, 2005. We are proud of all your efforts in making CTE in Denver Public Schools more relevant and rigorous and are excited to share our news with other school districts across the state and country.



### **ESCROW CREDIT**

The escrow credit project is underway across the state. When everything is in place, high school students who have taken certain CTE courses and received a grade of B or better will be eligible to receive an electronic transcript that will provide credit at most state community colleges. The CTE office is contracting with Gayle Mahler to get DPS set up in the electronic system housed at the Colorado Community College System office at Lowry. This will involve revisions to your existing high school program approvals to insure that we are consistent with course numbers and course titles. The most likely scenario is that we will combine all similar programs into one district-wide program approval, with individual schools listed within it. You will still maintain the required components of an approved program at each school. These include an advisory committee, student organizations and appropriate teacher credentialing. VE135 data will continue to be specific to each school.

**Stay tuned for more updates.**

### **ACE MENTOR PROGRAM**

The Architecture, Construction, and Engineering Mentor Program continues to be an engaging activity for CTE students at Lincoln, East, JFK and Montbello. Students from these high schools are busy designing their projects for their respective sites. Students will present their project designs at a special event on April 4. Mayor Hickenlooper will speak at an ACE Scholarship Fundraiser Dinner on March 15.

## NON-TRADITIONAL ENROLLMENT

18 CTE teachers and staff attended an all-day workshop on gender equity on Friday, February 4, 2005. "Taking the Road Less Traveled: Supporting Students Pursuing Non-traditional Careers" was presented by Mimi Lufkin, Executive Director for the National Alliance for Partnerships in Equity. Workshop activities centered around causes and solutions to the ongoing dilemma of how to increase non-traditional participation in programs/careers that are under-represented by one gender or the other. Look for the Educator's Tool Kit to Prepare Students for Non-traditional Careers coming soon to the CTE website.

### Attendees:

Dorothy Combs, Marketing Ed, GWHS  
Maria DeSantis-John, Business Ed, North HS  
Ray Erbe, Construction Technology, JFK HS  
Susan Fitzwilliam, Architectural Technology, CEC  
Karen Ellis, CTE Director  
Jerry Graves, ACE, A. Lincoln HS  
Pete Griffin, Business Ed, GWHS  
Michael Mascarenas, Drafting, North HS  
Judy Morr, CTE Specialist  
Margaret Reeves, ACE, Montbello HS  
Cathy Ryan, Business Ed, Kunsmiller MS  
Rita Schnittgrund, Tech Lab, Bruce Randolph MS  
Greg Scott, Industrial Technology, Hill MS  
Linda Shank, Business Ed, Kunsmiller MS  
Antje Sliger, Restaurant Arts, CEC  
Lorraine Smith, Business Mgt., CEC  
Donna Sorensen, Business Ed, Florence Crittenton  
Judy Wilson, Business Ed, Horace Mann MS

## SWAP CORNER

The CTE department has 10 new Macally Extended Keyboards for Macintosh computers to repurpose.

Dave Daniels at Merrill MS needs 3 shop table vices. Please contact Dave at 303-756-3621 if you have any available.

Please e-mail Donna at [donna\\_jiron@dpsk12.org](mailto:donna_jiron@dpsk12.org). All items are repurposed on a first come, first serve basis. Thank you!

## ACTE CONFERENCE

5 CTE teachers-Mark Bell, CEC, Chris Enzminger, JFK, Robert Hofmann, CLA, Nathan Leaf, JFK and Natalie Montecalvo, CEC-attended the Association of Career & Technical Educators Conference in Las Vegas in December 2004. CLA Business Education teacher Robert Hofmann presented "Helping at-risk students discover their Future".

## STATE DECA

33 Marketing Ed students from George Washington, John F. Kennedy, Thomas Jefferson and West High Schools will be competing in the state DECA conference in Colorado Springs Feb. 27-March 1. **Good Luck to all contestants!**

## ACADEMICS IN CTE

Mark Bell, Construction Technology teacher at CEC, was a co-presenter at the 19th Annual Colorado Technology Education Association Rocky Mountain States Conference in November, 2004. Mark has worked with Cathy Rock from Red Rocks Community College and Jerry Shin, a retired math teacher, for the past few years on the Technical Education Pathways Project, which is funded by grants from the National Science Foundation and Tech Prep. The presentation demonstrated two lesson plans from "Geometry Principles", a new math elective offered in Jefferson County Schools. The curriculum consists of integrated, contextual, standards-based lesson plans which investigate the math concepts embedded in the design, engineering and construction of a building project.

## CTE AUDIT

Thanks to all the high school CTE teachers who were well prepared for the CCCS audit. Several of you welcomed auditors Larry Pearson and Cathy Harris into your classrooms during their December visits. The audit is not yet officially completed, as Larry has resigned his position with CCCS. Cathy Harris will return to our office later this month to finalize the audit. We hope to have a summary to share with you and school administrators so that we may continue to improve CTE within DPS.

## **GIRLS EXPLORING SCIENCE, ENGINEERING & TECHNOLOGY (GESET)**

More than four hundred DPS 6th and 7th grade female students are registered to attend the third annual GESET event at Adam's Mark Hotel on March 3, 2005. Participating middle schools this year are Bruce Randolph, Cole, Florence Crittenton, Grant, Hamilton, Hill, Kunsmiller, Lake, Merrill, Morey and Rachel B. Noel. The students will attend three workshops each from the following choices: Around the World in Seconds, Beginning Photoshop, Satellite Command and Control, Web Page Design, Catch a Thief, Fire Science, Forensic Science, Rocket Science, Shades of Blue, Working in Space, Cloud Seeding, Invisible Forces, Water Conduits, Weather & Climate, Wind Engineering, Circuits & Solar Cells, Electronic Matching Game, Gumdrop Domes, Scavenger Hunt, Animal Behavior 101, Chemistry Workshops, Lego Robotics, Polymers, Robotics, and the Visible Human. This event is sponsored by the Society of Women Engineers Rocky Mountain Section; Lockheed Martin; Agilent Technologies; and Junior Achievement of Rocky Mountain, Inc. DPS Computer Magnet teachers Cary Knott, Eva Horan, and Stacey Fornstrom will present the Lego Robotics workshop. Sponsors are providing a continental breakfast, lunch, t-shirts, goodie bags and door prizes. Exhibitors representing science, engineering & technology will also be on site.

## **TEXTBOOKS AVAILABLE**

The CTE department has various sample textbooks available for any CTE high school or middle school teacher who is interested. There are a variety of Business, Marketing, Consumer and Industrial textbooks. If you are interested, please come down to our office located at 1261 Glenarm (EGOS) and make your selections. Textbooks are given away on a first come, first serve basis.

## **TEEN READING PROGRAM**

Congratulations goes to Ben Vigil, Computer Magnet student at North High School, for submitting the winning poster design for The Denver Public Library's Teen Reading Program. The winning poster will be featured on posters and bookmarks distributed in Denver schools and libraries during the Spring of 2005.

## **WHO IS GAYLE MAHLER AND WHAT IS SHE DOING WITH THAT CAMCORDER?**

This is Gayle Mahler!!!



Gayle will be visiting CTE classrooms and attending professional development sessions this Spring in order to record some of the great things that CTE teachers and their students are accomplishing. Please make her feel welcome!

## **CITY AND COUNTY OF DENVER YOUTH JOB FAIR 2005**

When: Thursday March 3, 2005  
1:30 p.m. to 5:00 p.m.

Where: The Colorado Convention Center  
700 14<sup>th</sup> St.  
Denver, CO 80202

**JOB FAIR OPEN TO ALL AGES 15 TO 21**

Presented by:  
The Office of Economic Development  
Division of Workforce Development

Sponsored by:  
The Governor's Summer Job Hunt Program, the  
Denver Newspaper Agency and 9 News

For more information contact Al O'Hara at  
720-865-5556 or Jerry Duran at 720-865-5558.



## *PROFLIGHT FUTURES presents*

### **The 2005 Colorado High School Aviation/Aerospace Career Seminar**

*Hosted by Metro State College of Denver and Denver Mayor John Hickenlooper*

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**When:** Thursday, April 28<sup>th</sup> / 6:30-9:00pm (Registration begins at the door - 5:45pm)

**Where:** Metro State College of Denver Campus (Tivoli Building-Turnhalle Room)

**Who:** ALL Colorado High School students with an interest in aviation/aerospace careers are invited. Attendance is limited to the first 250 students (parents are welcome).

**What:** A FREE Aviation/Aerospace career seminar, interactive mentor program, student guidance and opportunities. Dozens of volunteer aviation and aerospace professionals available.

**Professions represented include:** Pilot, Astronaut, Aircraft Mechanic, Aerospace engineer, Air traffic controller, Flight attendant, Airline operations, Military flight operations, and more...

**Directions:** [www.mscd.edu/enroll/admissions/campus/map/](http://www.mscd.edu/enroll/admissions/campus/map/)

**More Information:** [www.proflightfutures.com](http://www.proflightfutures.com)



**PROFLIGHT FUTURES**, Inc. is the Aviation and Aerospace industry's primary career information and resource provider to the next generation of career professionals. ProFlight Futures serves as the information and resource hub, facilitating aspiring under-served and economically challenged students ascent towards rewarding careers in aviation and aerospace.

Our mission is to help young men and women from All backgrounds realize that "the sky's the limit". We inspire, motivate, guide and educate promising students **and** educators/guidance counselors about the fantastic opportunities in the aviation and aerospace industry. Our staff of dedicated volunteers have decades of professional experience and is committed to providing the very best program to our students.

The vast experience and knowledge base of the entire volunteer staff, and leadership advisors is extensive. Our expertise includes civilian and military aerospace professionals, executives, managers, educators, human resource experts, youth mentors and employment recruiters from the industry's leading businesses. ProFlight Futures also partners with organizations such as the Urban League, the Tuskegee Airmen, Women In Aviation, Civil Air Patrol, NASA Explorers, ROTC, the United States Air Force, the United States Navy, NASA, FAA, major aerospace universities, technological schools and local school boards. Our vast network of resources and contacts will help ensure that our service is expertly managed and readily available to those who need it most ... at no cost!

Our experts have spent many years working with youth and understand the challenges that they face in making their dreams realities. The world of aviation and aerospace is complex, challenging and rewarding. The lack of accessible resources, role models, guidance and ongoing support produces barriers that, for many, are insurmountable. Pro Flight Futures effectively removes those obstacles. Using state-of-the-art web resources, professional seminars, and personalized mentoring, Pro Flight Futures will help a new diverse generation realize their dreams.

Visit our website at [www.proflightfutures.com](http://www.proflightfutures.com) for more information and your free membership.