

Status Update on Career and Technical Education

Presented at Board Education Committee Meeting

November 3, 2008

Overview

- ***MEETING STATE STANDARDS – CTE & ACADEMICS***
- ***WHAT WE ARE DOING IN THE INTERIM***
- ***NEXT STEPS: Board Workshop on December 2, 2008***

**MEETING AND EXCEEDING
CHAPTER 4 ACADEMIC
STANDARDS & CHAPTER 339
LEGISLATION**

Implementation of Career Education and Work Standards

- **Grades 3-7**
 - Integrate CEW standards into academic instruction (February 2009 – June 2010)
- **Grade 8**
 - Integrate development of student career portfolio into existing content area and create career exploration curriculum as part of the health class (completed for introduction in 2009-10 school year)
- **Grades 10-12**
 - Infuse graduation project into CTE courses (August 2009 – June 2010)

Enhance CTE Offerings

- Develop partnerships with technical/trade schools to maximize student credits and our students' potential to pursue further education through The Pittsburgh Promise.
- Standardize CTE electives across all high schools
 - Provide consistent Business course offerings for 2009-10 school year
 - Implement required Family and Consumer Science courses for 2010-11 school year
 - Provide consistent Technology Education course offerings for 2010-11 school year

Implement Career and Technical Student Organizations (CTSO)

- Identify CTSO sponsors for each CTE program (2010-11 school year)
- Secure monetary support for sponsors (2010-11 school year)
- Encourage teacher involvement

Certifications

- Verify appropriate teacher certifications per PA Department of Education (on-going)
- Increase industry program certifications for teachers (2010-11 school year)
 - Encourage teachers to pursue certifications related to industry they teach
- Increase student professional certifications (2010-11 school year)
 - Develop methods for students to attain professional certifications

Accreditation of CTE Labs

- Research accreditation procedures for CTE labs (2010-11 school year)
 - Related to student professional certifications
 - Ex: National Automotive Technicians Education Foundation (NATEF)
 - Ex: American Welding Society (AWS)

Articulation Agreements and Partnerships

- Increase articulation agreements with:
(2010-11 school year)
 - Four year colleges / universities
 - Community colleges
 - Organized labor
 - Proprietary schools
- Cultivate CTE partnerships with schools aligned to *The Pittsburgh Promise (on-going)*

Program Evaluation

- Prepare for Chapter 339 Approved Program Evaluation process (for full completion by April 2009)
 - October 21-23, 2008 Pittsburgh Perry, Langley, Connelley
 - November 18-20, 2008 Pittsburgh Carrick, Brashear
 - December 16-18, 2008 Pittsburgh Westinghouse, Peabody, Oliver, Alderdice

WHAT WE ARE DOING IN THE INTERIM

Standards and Competencies

- Create competency lists for CTE programs (2009-10 school year)
 - Develop 3-year scope and sequence
- Integrate academic standards into CTE instruction (2010-11 school year)
 - English
 - Math
 - Science
 - Career Education and Work

CTE Requirement for Individual Education Plans (IEPs)

- Develop a process for CTE input in development of IEPs (2009-10 school year)
 - CTE teachers or Staff at all IEP meetings for CTE students
 - Written documentation of CTE participation to be included for Chapter 339 Approved Program Evaluation

Increase Program Completers

- Increase number of CTE students who complete 3 periods/day for 3 years (2009-10 school year)
 - Grade 10 3 periods
 - Grade 11 3 periods
 - Grade 12 3 periods

 - Total 9 periods
 - Meets 1080 hours of instructional time

Lab Safety

- Create guidelines for lab safety procedures based on Advisory Committee recommendations (2009-10 school year)
 - Equipment
 - Space
 - Student practices
 - Material Safety Data Sheets (MSDS)

Work Experience for Students

- Increase number of students eligible for work experience (2010-11 school year)
 - Currently 12 students placed in work-based learning experiences (Co-op)
 - Goal is to have 100 students placed in work-based learning experiences each year

CTE Budget

- Explore the best way to fund CTE at the school level
- Areas requiring attention include:
 - Repair and maintenance of equipment
 - Repair and maintenance of technology
 - Supplies
 - Books and periodicals
 - Software

Dual Enrollment

- Increase dual enrollment opportunities for CTE students (2009-10 school year)
- Develop communications campaign for staff, students and parents (May 2009)
- Apply for Zahorchak Endowment Fund (September 2009)
- Align dual enrollment providers with CTE programs (2010-11 school year)

Programs of Study

- Adopt PDE programs of study (on-going)
- Connect CTE to high priority occupations (on-going)
- Develop appropriate curriculum (2010-11 school year)
- Enhance professional development (on-going)

Maximizing Subsidies

- Investigate program approval for Science and Technology High School (2010-11 school year)
 - Biotechnology, Engineering Technology, Environmental Technology, Computer Technology
- Investigate program approval for Pittsburgh CAPA (2010-11 school year)
 - Dance, visual and performing arts, digital multimedia/graphic design
- Combine electives into state subsidized programs (2010-11 school year)
 - Review current program electives
 - Update electives based on High Priority Occupations needs
 - Develop new programs from electives

Alignment of CTE Programs with Business and Industry

- Organize CTE programs to be designated high priority (2010-11 school year)
 - Three Rivers Workforce Investment Board
 - PA Department of Labor
 - Allegheny Conference on Community Development

Professional Development

- Formulate professional development opportunities (on-going)
 - Competency based education
 - Summer educator-in-the-workplace experiences
 - Best practices for embedding Graduation Project into CTE coursework

MOVING FORWARD WITH THE PLAN

CTE Board Workshop on December 2, 2008:

*Exploring the Feasibility of a Single or
Regional CTE Model*