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, Allderdice
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*