Creating Futures

CTE, Employability Skills, Workforce Development and the Role of the Guidance Counselor

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Kathy Guilbert
The Past
The Present

Body – Handmade aluminium  Backbone – carbon fibre  Heart – 7.0 litre 12 cylinder
The Past
The Present
Radios over the years
The Past
The Present
What we know today about CTE

- CTE schools have changed with the times.
- CTE schools are academically strenuous
- CTE schools emphasize college
- CTE schools are for all students
Dispelling Myths

- Information – Articulation to Middle schools, junior high schools, middle, post-secondary programs and industry/businesses.

- Gender Equity Discussions

- Meaningful discussions about special education.
Gender Equity

YES SHE CAN DO THAT TOO...

A Girl can be an ARCHITECT, a CARPENTER, a COMPUTER TECHNICIAN, an ELECTRICIAN, an ENGINEER, a PLUMBER, or a WELDER...

That journey can start in a NYC Career & Technical Education (CTE) High School while getting a High School Diploma.
Career & Technical Education

The USDOL 65 Fastest Growing Jobs in NYS during the next 10 years (Top 10)

- Electricians
- Medical Assts.
- Social and Human Service Assistants
- Construction Laborers
- Dental Assistants
- Pharmacy Technicians
- Sheet Metal Workers
- Roofers
- Hazardous Materials Removal Workers
- Structural Iron and Steel Workers

Career and Technical Education

- Electronics
- Automotive Technology
- Desktop Publishing
- Cosmetology
- Computer Assisted Design (CAD)
- HVAC
- Virtual Enterprise

- Vision Technology
- A+ Computer Repair
- CISCO Computer Networking
- Culinary Arts
- Construction Technology
- Agriculture
Career and Technical Education

- Electrical Installation
- Graphics Communication
- Graphic Design
- Video Production
- Veterinary Science
- Nursing
- Marine Technology
- Building Maintenance
- Early Childhood Education
- Barbering
- Medical Laboratory Technology
How can high school students in the US continue to compete in a global economy and in our workforce?

Career and Technical Education (CTE)

- Schools must find ways to teach applied skills integrated with core academic subjects = CTE
- The business community must be more active in defining the skills they need from their new employees and then partner with schools to create opportunities for students to obtain them = CTE

Source: School CIO: Strategies for K-12 Technology Leaders
The Workforce Readiness Crisis
Susan McLester and Todd McIntire
CTE Facts

➤ The number of students enrolled in CTE programs has risen 157% from 1999 to 2004 (Office of Vocational and Adult Education).

➤ CTE graduates are 10-15% more likely to be in the labor force, and earn 8-9% more than graduates of academic programs (2001 Russell Sage Foundation Study).

➤ CTE high school graduates are more likely to graduate from college. (www.acteonline.org)
CTE Facts (Continued)

➢ 2001 Cohort outcomes for New York City indicate that CTE students graduate at an 18% higher rate than non-CTE students.

➢ 2001 Cohort performance data on the ELA, Math and Science Regents indicate that CTE students outperform all students both in New York City and Statewide.

Statewide Data

- ELA  ➔ 55 (18% higher)  >65 (15% higher)
- Math  ➔ 55 (16% higher)  >65 (13% higher)
- Science ➔ 55 (16% higher)  >65 (14% higher)

Source: CTEDS date file 5/06
Goals of CTE

➢ To increase the academic and career options of students by providing an enriched education that includes a rigorous academic and technical course of study.

➢ To help students develop technical skills that meet industry standards.

➢ To provide students with hands-on learning to promote student success.

➢ To provide students with the ability to make connections between classroom instruction by applying knowledge and skills to solve real-world problems.
Role of Guidance Counselor

- Promote CTE

- CTE is not a “dumping ground”.

- Be objective when talking to your students about their choices.

- Work with your students on career goals as soon as they start high school.

- Use Technology.

- Help parents develop realistic goals for their children.

- Meet with parents to discuss these realistic goals.

- Emphasize the importance of internships and/or work experience.
Role of Guidance Counselor (Continued)

- Be aware of and share workforce trends with your students.
- Connect with industry/community businesses and develop partnerships.
- Promote mentoring opportunities.
- Promote non-traditional career options for men, women and historically under-represented groups.
- Work on resume building, interviewing/communication skills, job applications.
- Get involved with curriculum building and updating – Curriculum should emphasize and reflect industry standards.
- Emphasize Maintaining a Healthy Lifestyle.
- Emphasize Soft Skills/Applied Skills with your students.
Career and Technical Education not only gives our students technical industry driven skills, but it also gives our students time to strengthen their applied skills.
CTE and Guidance

As counselors we must facilitate the partnerships necessary to grow and develop the relationships that will ensure that our youth have the skills needed to meet the industry and workforce requirements.

What are these requirements/Skills?
Most Important Skills for Workplace Entrants:

Skills identified as critical to success in the 21\textsuperscript{st} century workforce are:
(School CIO- Workforce Readiness Survey)

- Basic Knowledge (three Rs) and Applied Skills.
- Professionalism/work ethic, teamwork/collaboration and oral communications.
- Knowledge of Foreign Language
- Creativity/Innovation
Important Websites

- [www.nycareerzone.org](http://www.nycareerzone.org)
- [www.careercruising.com](http://www.careercruising.com)
- [www.emsc.nysed.gov](http://www.emsc.nysed.gov) (Approved CTE Programs, CDOS, and SCANS)