

CAREER & TECHNICAL
EDUCATION

BUFFALO PUBLIC SCHOOLS' CAREER & TECHNICAL EDUCATION MIDDLE SCHOOL PROGRAM

The Whole Story

PRESENTERS:

- Kathy Heinle
 - Director
- Rob Harris
 - Supervisor
- Amy Franco
 - Science Support Teacher



OVERVIEW

- Middle School Program
 - Curricula
 - Delivery
 - Resources
 - Spending
- Recruitment
 - Career Fairs
 - DVD, brochures & website
- Future Goals



MIDDLE SCHOOL

- Technology



- Family & Consumer Science



BPS CTE HAS A STANDARDIZED MIDDLE SCHOOL CURRICULUM.

- Why did we standardize curriculum?
- Who does the standardization?
- What Does it look like?
- What are the benefits?



STANDARDIZING CURRICULUM DELIVERY

- We wanted to ensure that there was a standardized way of delivering middle level CTE for effective teaching & learning.
 - Ensure student centered learning
 - Ensure Continuity district wide (transiency)
 - Work toward inclusion of CTE in the students average



WHO DOES THE STANDARDIZATION?

- In order to achieve fidelity to the curriculum a committee of a cross section of middle school CTE teachers was recruited to do the work.
 - Common Projects aligned to standards
 - Common Grading Rubrics
 - Reviewed by the rest of the staff before finalizing
 - Reviewed on a regular basis for upgrades and changes



HERE'S WHAT IT LOOKS LIKE.

RESOURCE BOOKS

- Covers District Explicit instruction initiative
- Common Projects + Some Discretionary Projects
- Covering Learning Standards
- Integrating Common Core Learning Standards
- Common Assessment Alignment
- Common Grading Policy/ Procedures
- Portfolio Submission



BENEFITS IN THE CLASSROOM

○ STEM projects

- Student paced CCLS aligned labs
- Meet the STEM Standards
- Integration of Core Standards



○ Design/Project Briefs

- Reviewed by the ELA department for WHST CCLS
- Ensure writing is happening (CTE's focus on writing)

○ Project Rubrics

- Teachers adhere to the same grading policies/procedures
- Students understand what the expectations are
- Eases the grading process & validation

○ Project/Career Alignment

- Ensure students have an idea of the relevance



SPENDING

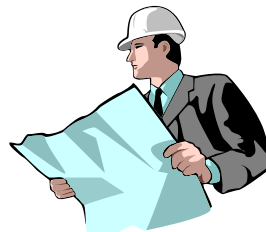
- Standardized curricula helps in streamlining spending which avoids duplication and overage of spending by teachers
 - We have standardized brand/type equipment
 - Standardized Project expenditure based on student population per building
 - No extraneous spending by teacher



ADDRESSING THE JOB MARKET IN MIDDLE SCHOOL

To address the needs of the job market we are building our students' early awareness of the job availability, education and compensation associated with that market through:

- Interest surveys
- Career fairs-both district wide and program specific
- Standardized Curriculum Delivery
- Feeding Students to our HS CTE programs



RECRUITMENT

- Career Fairs



THE CTE DEPARTMENT PROVIDES...

- 6 High School Exploration Career Fairs
- Bus transportation for 7th grade students to attend
- 12 different career areas/CTE programs per career fair
- Hands-on career related activities presented by high schools students and CTE teachers



IN THE FALL...

- A letter & interest survey goes out to all high school CTE teachers
- A letter to:
 - High School Principals explaining the career fairs and the need for teacher participation
 - Middle School Principals describing the career fairs and asking if they would like their 7th grade students to participate



PRIOR TO CAREER FAIRS...

- High School Principals are contacted, with the dates and names of teachers willing to participate, for their permission
- 7th grade students will receive:
 - A presentation at their school explaining the career fair and the different programs offered by the CTE Department
 - A copy of the CTE DVD showing the programs



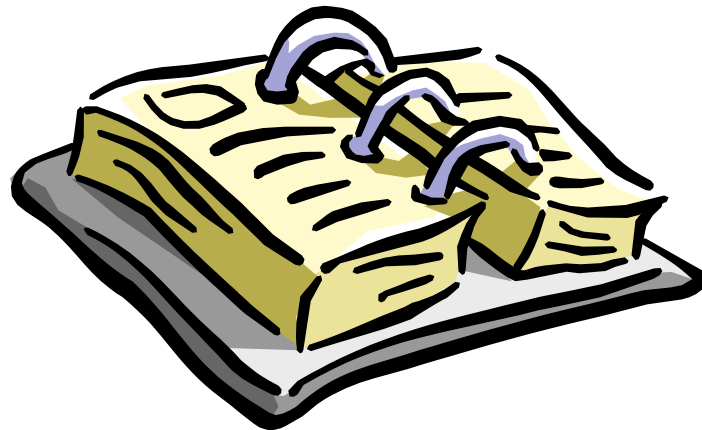
THE PLAN...

- Groups of 30 students travel between 4 rooms
- Each room has 3 career areas represented
- Students spend approximately 7-10 minutes per career area & rotate within the room
- When the rotations in the room are complete, a Support Teacher & chaperones escort the students to the next room



THE SCHEDULE...

- Morning
 - 9:45 a.m. to 11:30 a.m.
- Lunch for presenters
 - 11:30 a.m. to 12:00 p.m. (provided by CTE Dept.)
- Afternoon
 - 12:00 p.m. to 1:45 p.m.



THE ROOMS...

- Room #1
 - Health Assisting, Horticulture, Aquatic Ecology, Forensic Tech, Personal Training
- Room #2
 - Business/Virtual Enterprise, Culinary, Printing, Comm. Arts, Advertising Art
- Room #3
 - Auto, Welding, CAD/CAM, Engineering
- Room #4
 - Carpentry, Electrical, Plumbing, HVAC



PRESENTER/CTE TEACHER RESPONSIBILITIES...

- Activity must be hands-on & career related
- Program picture boards & brochures on display
- Plan for enough materials for all sessions of your activity
- Bring 2 CTE students to help run activity and speak to the 7th grade students



THE COST...

- Buses for 7th grade classes
- Substitutes for High School teachers
- Consumable supplies for hands-on activities
- Lunch for presenters



THE RESULTS...

- Approximately 1,500 7th grade students participate
- Increased knowledge of programs throughout the district
- With the knowledge received at career fairs, more middle school students are applying and entering CTE programs



FUTURE GOALS

- Implementation of a Pre K through 12 CTE Program
 - Phase I -2013-14: Grade 4-6
 - Career Portfolio
 - Career Fair
 - Career Day
 - Career Speakers
 - Phase II – 2014-15: Pre K though 3



QUESTIONS

