NEW SKILLS FOR YOUTH

JPMorgan Chase & Co.

Make Every Credit Count!

Regional Training Sessions

In Partnership With:

KENTUCKY
COMMUNITY & TECHNICAL
COLLEGE SYSTEM

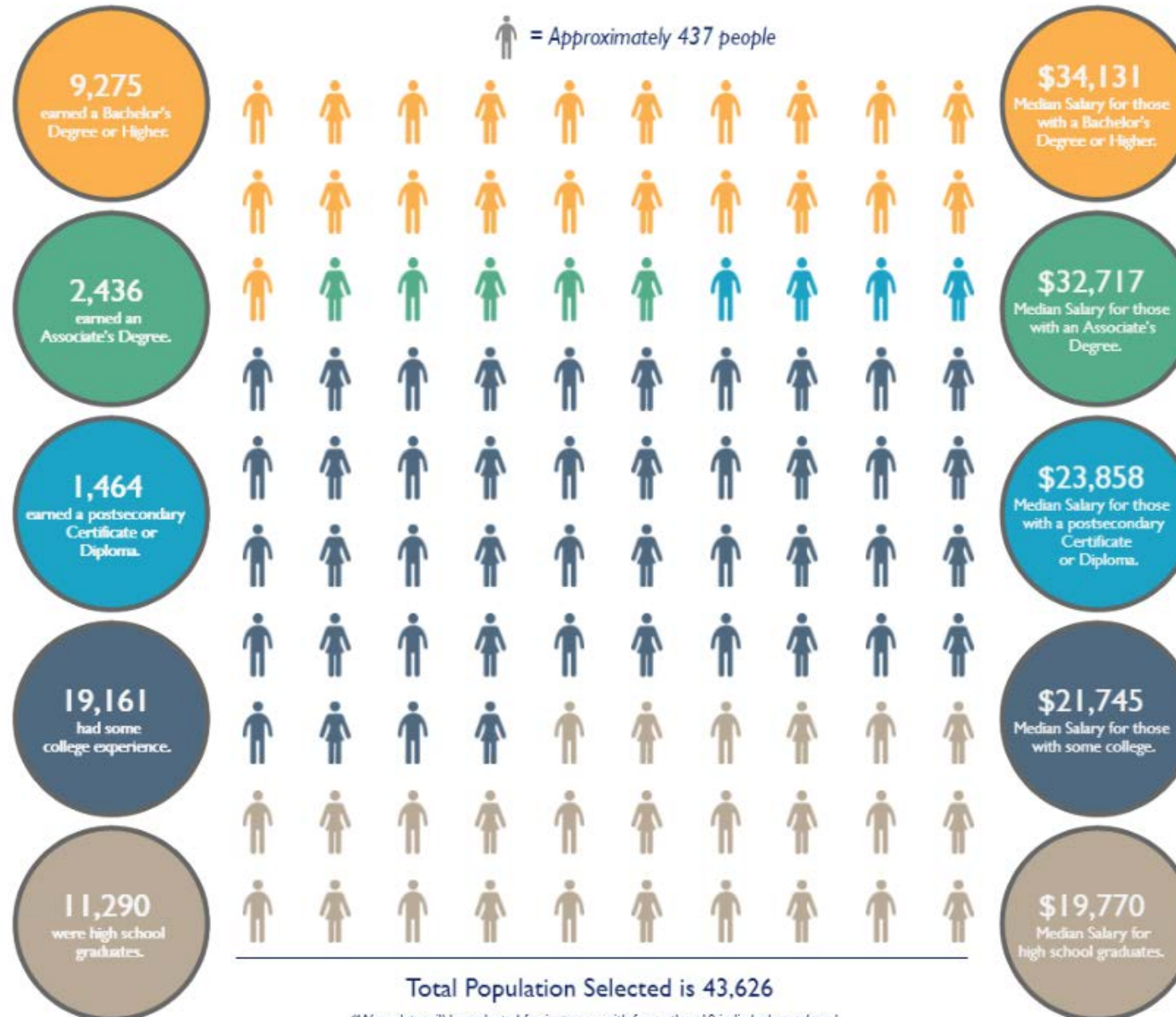Kentucky Department of
Our Children,
Our Commonwealth
Education

2018 Outcomes for 2011 High School Graduates

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Gender	Race/Ethnicity	Free and/or Reduced-Price Lunch Eligibility	Appalachian
All	(All)	All	All

= Approximately 437 people

9,275 earned a Bachelor's Degree or Higher.

2,436 earned an Associate's Degree.

1,464 earned a postsecondary Certificate or Diploma.

19,161 had some college experience.

11,290 were high school graduates.

$34,131 Median Salary for those with a Bachelor's Degree or Higher.

$32,717 Median Salary for those with an Associate's Degree.

$23,858 Median Salary for those with a postsecondary Certificate or Diploma.

$21,745 Median Salary for those with some college.

$19,770 Median Salary for high school graduates.

Total Population Selected is 43,626

*Wage data will be redacted for instances with fewer than 10 individuals employed.

Video: Success in the New Economy

Reflection Questions for Role-Like Groups:

What aspects of this video appeal to what you are trying to accomplish within your school/district?

Do you have initiatives already in place aimed at the information addressed in the video?

Fun Facts

▸ Less than half of our postsecondary students earn a certificate, diploma, associate, bachelor's, etc...

▸ Dual Credit Students are much more likely to continue past the first year (15%) and earn a postsecondary credential (19%)

▸ Students whose parents earned a PS degree are more likely to take dual credit (10%)

▸ High School Graduates that reach career readiness are approximately 10% more likely to be academic ready than students that are not career ready (9% for students with disabilities)

▸ TRACK Students have higher employment and wages than any of the groups ($41,539 3 yrs out -100% emp)

▸ 2/3 of all students are TR, but transient students are at 20%, non-white at 49%, and Free/Reduced at 55%, 30% for students with disabilities

▸ Students with disabilities are more likely to be career ready than academic ready (More than twice as many are career ready). This is the opposite of non-disability students. This is even more true of dual credit.

MAKE EVERY CREDIT COUNT

What is the student's goal after high school?

Go to work

Enter into Apprenticeship Track

Earn technical credentials/AAS at KCTCS

Earn AA/AS and Transfer to 4-year OR

Attend a 4-year

We have an option for all of the above!

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RANDOM ACTS OF DUAL CREDIT

Can hurt a student's plans after high school

X   Courses do not count towards postsecondary goals for student
   - Eats up unnecessary credit hours needed for other courses in program student wants to enroll in

X   A bad grade/withdrawal is part of the student's permeant record
   - Potential financial aid & scholarship implications

X   Enrolling students in too heavy college load before they are ready

X   Enrolling students in online college courses before they are ready

X   Not considering students other time commitments

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ACCOUNTING
Secondary-Postsecondary Pathway

Postsecondary Institution: KCTCS (Institutions TBD)   **Pathway:** Accounting

Secondary School: **Dual Credit Hours:**

Grade	General Education	Technical Core	Diploma, Certification(s), Certificate(s), Degree(s)
9	- English I (1) - Algebra I (1) - Science (1) - Social Studies (1) - Physical Education (.5) - Health (.5)	Accounting and Finance Foundations (1)	
10	- English II (1) - Geometry (1) - Science (1) - Social Studies (1) - Visual and Performing Arts (1)	Financial Management (1)	
11	- English (1) – Aligned with student's ILP - Algebra II (1) – Aligned with student's ILP - Science (1) – Aligned with student's ILP - Social Studies (1) – Aligned with student's ILP	Advanced Accounting (1)	
12	- English (1) – Aligned with student's ILP - Personal Finance (1) – Aligned with student's ILP - Electives (2) – Aligned with student's ILP	Introduction to Management (1)	High School Diploma
13-14	- ENG 101 – Writing I (3) - COM 181 – Basic Public Speaking (3) **OR** COM 252 – Intro to Interpersonal Communications (3) - ECO – Any Economics Course (3) - MAT 105 – Business Mathematics (3) or Higher Level Quantitative Reasoning - Heritage/Humanities (3) - Natural Sciences (3)	- CIT 105 – Introduction to Computers (3) **OR** OST 105 – Introduction to Information Systems (3) - ENG 102 – Writing II (3) **OR** OST 235 – Business Communications Technology (3) - BAS 160 – Introduction to Business (3) - BAS 260 – Professional Development & Protocol (2) - BAS 270 – Business Employability Seminar (1) - BAS 267 – Introduction to Business Law (3) - BAS 282/MKT 282 – Principles of Marketing (3) - BAS 283/MGT 283 – Principles of Management (3) - ACC 201 – Financial Accounting (3) - ACC 202 – Managerial Accounting (3)	- KCTCS General Business Certificate - KCTCS Payroll Accounting Specialist Certificate - KCTCS Accounting Certificate - KCTCS Accounting Recordkeeping Specialist Certificate - KCTCS Business Transfer Certificate - KCTCS Accounting Diploma and Associate in Applied Science

Secondary-Postsecondary Pathway Alignment

Postsecondary Institution: <u>BCTC/Northern Kentucky University</u>   **Pathway:**   <u>**Computer Science**</u>
Secondary School: **College Credit:**   <u>**44 Hours in HS**</u>

Grade	Academic Core	Technical Core	Diploma, Certifications(s), Certificate(s), Degree(s)
9	o English I (1) o Algebra I (1) o Biology I (1) o Social Studies (1) o Physical Education (.5) o Health (.5) o World Language (1)	o CIT 105 – Introduction to Computers (3) o CIT 155 – Web Page Development (3)	
10	o English II (1) o Geometry (1) o Science Course (1) o Social Studies (1) o Visual and Performing Arts (1) o World Language (1)	o CIT 111 – Computer Hardware and Software (4) o CIT 120 – Computational Thinking (3)	KCTCS A+ Prep Certificate
11	o English Course (1) o Algebra II (1) o Science Course (1) o HIS 101 – World Civilization I (3) o COM 181 – Basic Public Speaking (3)	o CIT 170 – Database Design Fundamentals (3) o CIT 160 – Introduction to Networking Concepts (4) <u>**OR**</u> o CIT 161 – Introduction to Networks (4)	KCTCS Computer Tech Basic Certificate
12	**BCTC** **Fall** o ENG 101 – Writing I (3) o MAT 150 – College Algebra (3) **Spring** o ENG 102 – Writing II (3)	**BCTC** **Fall** o CIT 180 – Security Fundamentals (3) o INF 120 – Elementary Programming (3) **Spring** o INF 260 – Object-Oriented Programming (3)	High School Diploma KWIB Approved Industry Certification(s)

13	**BCTC** **Summer** ○ MAT 155 – Trigonometry (3) **Fall** ○ ECO 201 – Principles of Microeconomics (3) ○ MAT 174 – Calculus I (4) ○ STA 220 – Statistics (3) **Northern Kentucky University** **Spring** ○ Gen Ed. Culture and Creativity (3) ○ Gen Ed. Global Viewpoints (3)	**Summer** ○ CS 115 – Introduction to Computer Programming (3) **OR** ○ CIT 143 – C# I **Fall** ○ CIT 293 – CIT Employability Studies (1) **Spring** ○ CSC 360 - Object-Oriented Programming II (3) ○ MAT 227 – Calculus B (3) ○ STA 250 – Probability and Statistics (3)	AAS Degree CIT (Informatics Track)
14	**Northern Kentucky University** **Fall** ○ Gen Ed. Natural Science with Lab (4) **Spring** ○ Gen Ed. Individual and Society (3)	**Fall** ○ CSC 364 – Data Structures and Algorithms (3) ○ MAT 228 – Calculus C (3) ○ BIS 300 – Management Information Systems (3) **Spring** ○ CSC 362 – Computer Systems (3) ○ CSC 450 – Database Management Systems (3) ○ MAT 385 – Discrete Mathematics (3) ○ CSC 415 or CSC 416 – Mobile Development (3)	
15	**Northern Kentucky University** **Fall** ○ Gen Ed. Cultural Pluralism (3) **Spring**	**Fall** ○ CSC 402 - Advanced Programming Methods (3) ○ CSC 439 – Software Testing and Maintenance (3) ○ CSC 485 – Theory of Computation (3) ○ CSC 301 – Web Programming (3) **Spring** ○ CSC 440 – Software Engineering (3) ○ CSC 460 – Operating Systems (3) ○ CSC 491 – Comprehensive Exam (0) ○ MAT 483 – Cryptology (3) ○ MAT 234 – Linear Algebra (3)	B.S. Degree Computer Science Mathematics minor

GENERAL EDUCATION PATHWAY

Associate in Arts	
Written Communication	6
Oral Communication	3
Arts & Humanities	6
Quantitative Reasoning	3-6
Natural Sciences	3-6
Social & Behavioral Sciences	9

Arts & Humanities Social & Behavioral Sciences Foreign Language	6

Electives	21

Total Credits	60

Associate in Science	
Written Communication	6
Oral Communication	3
Arts & Humanities	6
Quantitative Reasoning	6
Natural Sciences	6
Social & Behavioral Sciences	6

Quantitative Reasoning Natural Sciences	6

Electives	21

Total Credits	60

WHEN IN DOUBT

Focus on Core General Education Courses

Associate in Arts	
Written Communication	6
Oral Communication	3
Arts & Humanities	6
Quantitative Reasoning	3-6
Natural Sciences	3-6
Social & Behavioral Sciences	9
Digital Literacy	*0-3*

Associate in Science	
Written Communication	6
Oral Communication	3
Arts & Humanities	6
Quantitative Reasoning	6
Natural Sciences	6
Social & Behavioral Sciences	6
Digital Literacy	*0-3*

Associate in Applied Science	
Written Communication	3
Oral Communication	0-3
Arts & Humanities	3
Quantitative Reasoning	3
Natural Sciences	3
Social & Behavioral Sciences	3
Digital Literacy	*0-3*

SCHOLARSHPS

Work Ready (Kentucky) Dual Credit Scholarship (WRDCS)

2 per high school year (8 total)

➢ For eligible Career & Technical Education Courses ONLY

➢ Does not include general education courses required for the technical credential

Ex: BIO, ENG, MAT

Dual Credit Scholarship (DCS)

2 total for Junior/Senior Year/s

➢ For any eligible dual credit course

➢ Student must successfully complete course to earn scholarship or 50% of funds are returned –"I" grades are not acceptable

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STUDENT RESOURCES

Dual credit students have access to:

➤ **Accommodations***

NOTE: It is the high school's responsibility to notify the college if the student needs accommodations for a course the student is taking at the college

➤ **Library Services**

- Full access to college's library resources
- Student ID is library card

➤ **Tutoring Services**

- Free tutoring services available to all dual credit students

TIPS FOR SUCCESSFUL DUAL CREDIT PROGRAMS

➢ Know student's goals after high school

➢ Ensure students are signed up for relevant courses

➢ Understand pathway options

➢ Adhere to college deadlines

➢ Expectations for attendance

➢ How to utilize the dual credit scholarships

➢ Understand KCTCS admission & placement policy for dual credit

➢ Know where to go for help

The Importance of Career Awareness & Exploration

Dr. Damien Sweeney

Kentucky Department of Education

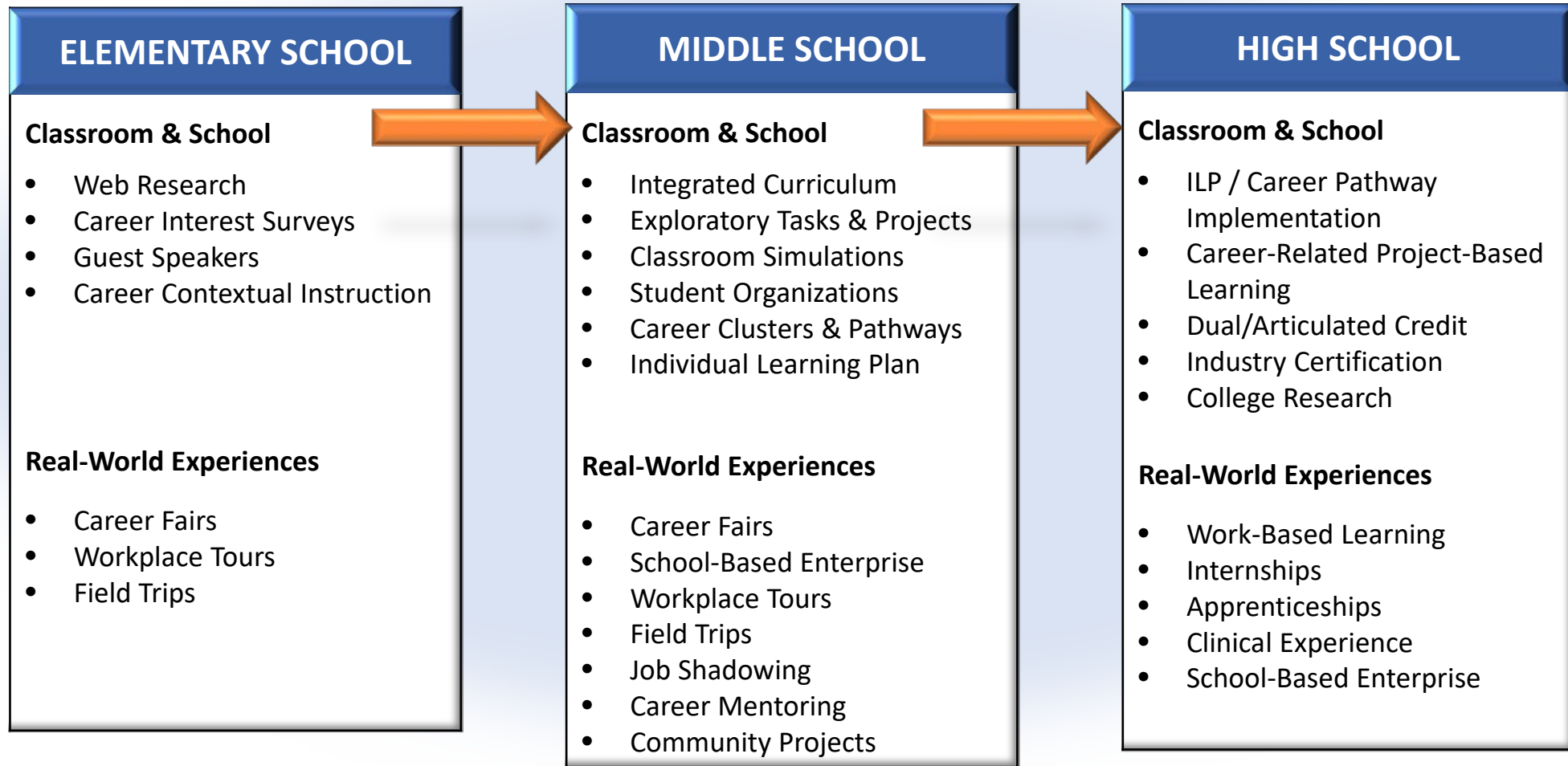# **Middle School Career Studies**

Winter 2020

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Careers Progression Summary

	PRIMARY	INTERMEDIATE	MIDDLE	HIGH
Exploration	• Reasons why people need to work, e.g., to meet basic needs • Careers within local community	• Explore broader reasons why people work, e.g., contribute to society, personal satisfaction • Introduction to KY Career Clusters	• Connection between income, values, interests and lifestyles • Changing workplace • Monetary and time costs of preparing for a career • Skills/tasks related to the KY Career Clusters and pathways of interest • Opportunities at the secondary level to earn dual/articulated credit, industry certifications, and work-based learning	• Post-secondary options related to chosen career cluster or pathway • Options for paying for post-secondary education, including possible sources of funding (e.g., loans, scholarships, grants, military)
Preparation	• Begin to develop necessary academic skills	• Continue to develop academic skills • Learn to use various sources of information to evaluate jobs/careers	• Continue to develop academic skills • Use extracurricular activities, community experience, volunteer work, etc. to develop academic, technical and/or essential skills • Create and maintain an Individual Learning Plan (ILP)	• Use the ILP to guide secondary educational choices related to a career pathway of interest, e.g., to earn dual/articulated credit, industry certifications, and work-based learning opportunities
Application	Identify and follow agreed-upon collaborative skills (e.g., attendance, respect, preparedness, quality of work, time-management) that are necessary for both the classroom and workplace.			

Careers Development Continuum

ELEMENTARY SCHOOL

Classroom & School

- Web Research
- Career Interest Surveys
- Guest Speakers
- Career Contextual Instruction

Real-World Experiences

- Career Fairs
- Workplace Tours
- Field Trips

MIDDLE SCHOOL

Classroom & School

- Integrated Curriculum
- Exploratory Tasks & Projects
- Classroom Simulations
- Student Organizations
- Career Clusters & Pathways
- Individual Learning Plan

Real-World Experiences

- Career Fairs
- School-Based Enterprise
- Workplace Tours
- Field Trips
- Job Shadowing
- Career Mentoring
- Community Projects

HIGH SCHOOL

Classroom & School

- ILP / Career Pathway Implementation
- Career-Related Project-Based Learning
- Dual/Articulated Credit
- Industry Certification
- College Research

Real-World Experiences

- Work-Based Learning
- Internships
- Apprenticeships
- Clinical Experience
- School-Based Enterprise

Middle School Career Studies Project

Goal: Provide resources to facilitate academic & career planning through:

- increasing knowledge of career clusters, pathways and Individual Learning Plans.

- incorporating career-related project-based learning in the classroom.

- providing short-term interactions with business and community leaders.

- increasing opportunities for CTSO participation.
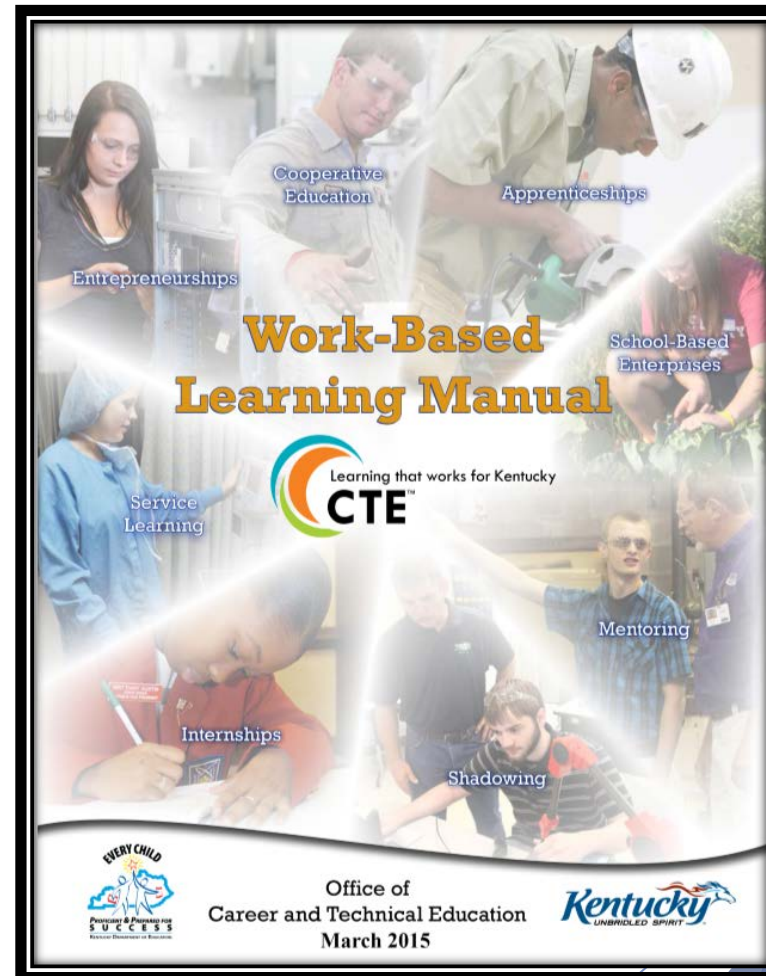
- flexible exploratory CTE experiences.

Work-Based Learning: Learning That "WORKS"

Kim Hogan, State NSFY Regional Academy Coordinator

Work-Based Learning Experiences

- ✓ *Service Learning*
- ✓ *Mentoring*
- ✓ *Job Shadowing*
- ✓ *School-Based Enterprises*
- ✓ *Internships*
- ✓ *Entrepreneurship*
- ✓ *Cooperative Learning*
- ✓ *Youth/Pre-Apprenticeship*

Career Readiness for Alternate Diploma Students

▶ **Employability Skills Attainment Record (ESAR)**

- 30 Items related to; Personal Qualities and People Skills, Foundational Academic Skills, Workplace Knowledge Skills

▶ **Career Work Experience Certificate (CWEC)**

- To attain the CWEC a student must complete four specific elective courses in the following prerequisite order:
  - ✓ Developing Career Options – Grades 9-10
  - ✓ Developing Leadership Skills - Grade 9-14
  - ✓ Experience in Workplace Principles - Grade Level: 10 – 12
  - ✓ Individualized Career Work Experience - Grade Level: 11-14