

The background of the slide is a composite image. The top left shows a line of yellow school buses, with the word 'SCHOOL BUS' visible on the front of one. The bottom left shows a classroom with blue walls, desks, chairs, and colorful balloons. A white diagonal line separates the two images.

Career and Technical Education *in Kentucky*

2024: Preparing for the Future

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Kentucky Department of
E D U C A T I O N

KENTUCKY CTE
EMPOWERED
Today's Career and Technical Education

The old “Vocational” Education



- Only for certain populations
- Limited program offerings
- High school focused
- Trained only to a specific occupational skill set

Today’s Career and Technical Education



- 16 National Career Clusters and almost 150 state-approved pathways in KY
- Integrated with Core Academics through rigorous and relevant curriculum
- A multitude of early postsecondary opportunities and business partnerships
- Emphasis on foundational academic, employability, and occupational skills

Kentucky CAREER AND TECHNICAL EDUCATION PROGRAMS

Agricultural Education

Career pathways in agribusiness, agriculture power, structural and technical systems, animal, environmental, food and plant science, natural resource and processing systems.

Business & Marketing

Career pathways in accounting, administrative support, e-commerce, financial services, hospitality, travel, tourism and recreation, management and entrepreneurship, marketing, retail services and supply chain management.

Computer Science

Career pathways in additive manufacturing, computer programming, computer science, cybersecurity, data science, digital design and game development, information support and services, network administration, network security and web development.

Construction Technology

Career pathways in air conditioning, building construction, construction carpentry, electrical technology, heavy equipment sciences, masonry and plumbing technology.

Education & Training

Career pathways in teaching and learning in all levels of education designed to prepare students to become future educators.

Engineering Technology

Career pathways in energy, aerospace and automation, architectural, civil, electrical, structural and mechanical engineering, additive manufacturing, aircraft maintenance and flight and aeronautics.

Family & Consumer Sciences

Career pathways in consumer and family services, culinary and food services, early childhood education, fashion and interior design, food science and dietetics, fundamentals of teaching, and hospitality, travel, tourism and recreation.

Health Science

Career pathways in allied health, biomedical sciences, clinical medical assisting, dental assisting, EKG technology, emergency medical technology, medical administrative assisting, patient care technician, phlebotomy technician, pre-nursing and veterinary assistant.

JROTC

Junior Reserve Officers' Training Corps career pathways in U.S. Air Force, Army, Marine Corps and Navy.

Law & Public Safety

Career pathways in corrections, fire science/firefighting, homeland security, law-enforcement and pre-law studies.

Manufacturing

Career pathways in computer-aided design, computerized manufacturing and machining, industrial maintenance, metal fabrication, welding technology and wood manufacturing.

Media Arts

Career pathways in cinematography and video production, graphic design and interactive media.

Transportation

Career pathways in automotive maintenance, service, and engineering, collision repair and diesel/medium-heavy truck technology.

2022-2023 CTE DATA FOR SECONDARY STUDENTS



8 OUT OF 10
*secondary students
participated in CTE*

11% INCREASE
from 2021 -2022



over **25,000**
students graduated with at least one
postsecondary credential

CONCENTRATORS:

54%

*of students completed at least 2 credits in a
4-course pathway*

98%

of CTE concentrators graduated

63,425

*students participated
in a Career and
Technical student
organization (CTSO)*



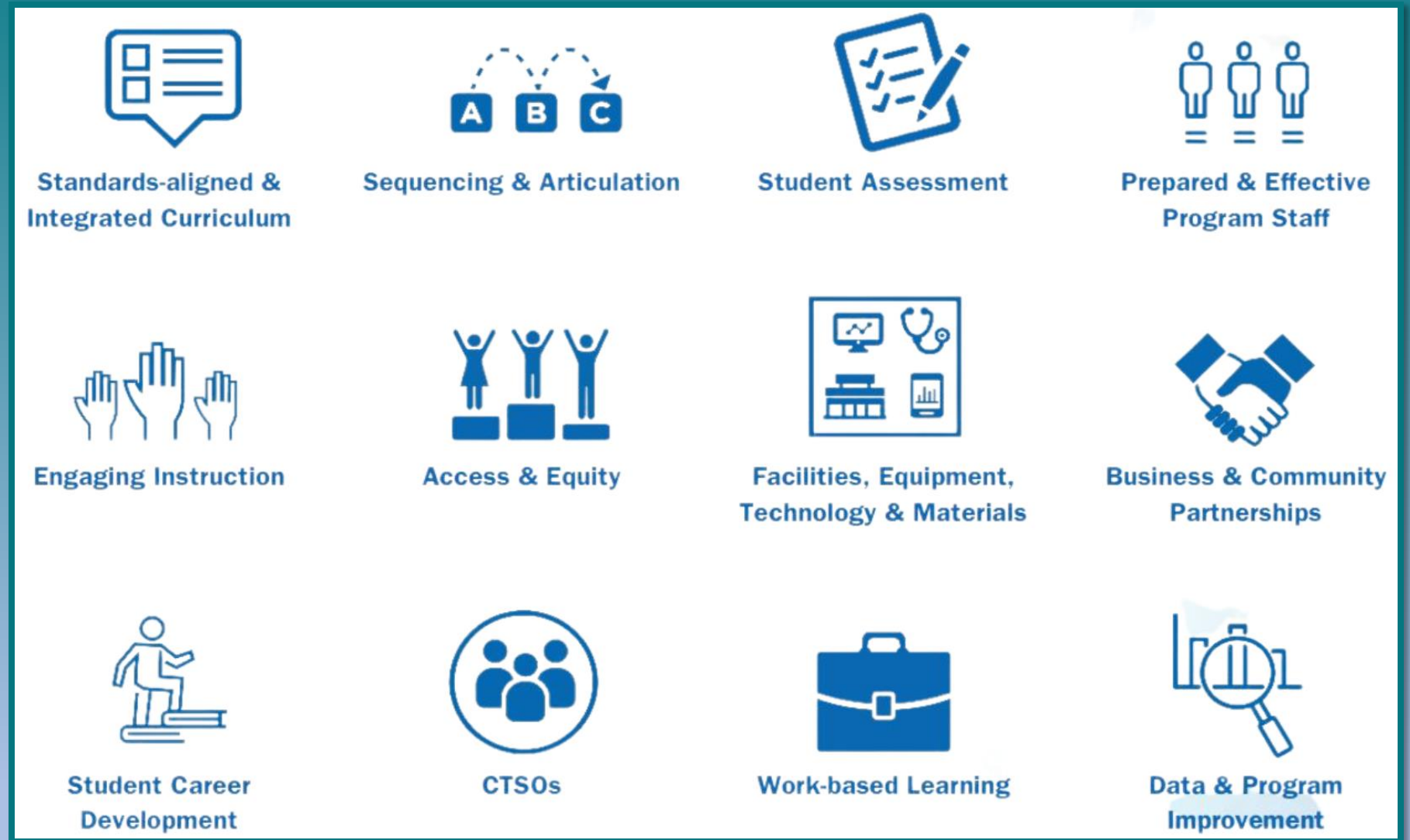
Funding Prior to 2022

- ✗ Approximately \$60 million
- ✗ CTE in over 200 high schools went unfunded
- ✗ Only state centers and qualifying local centers were (under) funded
- ✗ Funding based only on student enrollment

Funding Since 2022

- ✓ Approximately \$128 million
- ✓ All CTE in KY high schools is funded (316 locations)
- ✓ Per pupil funding is equitable in state and local programs
- ✓ Performance funding models are being put in place to ensure high-quality instruction

12 Elements of High-Quality CTE



Source: Association of Career and Technical Education (ACTE)

Seamless Pathways Grades 9–16

- Technical core courses ([secondary 4-course sequence](#))
- Aligned general education courses
- CTE academic and employability standards
- Accelerated and early postsecondary opportunities
 - Work-based learning
 - Industry-valued certifications
 - End-of-Program (EOP) assessments for articulated credit
 - CTE dual credit



Elevated Work-Based Learning



KENTUCKY CTE
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Today's Career and Technical Education



WORK-BASED LEARNING MANUAL



KENTUCKY CTE
EMPOWERED
Today's Career and Technical Education



**OFFICE OF CAREER AND
TECHNICAL EDUCATION**



AUGUST 2022

Employment and Wage Outcomes in KY for Public High School Grads who Completed TRACK, Earned a TRACK Industry Certificate, and Enrolled in a Registered Apprenticeship (2017-2019)

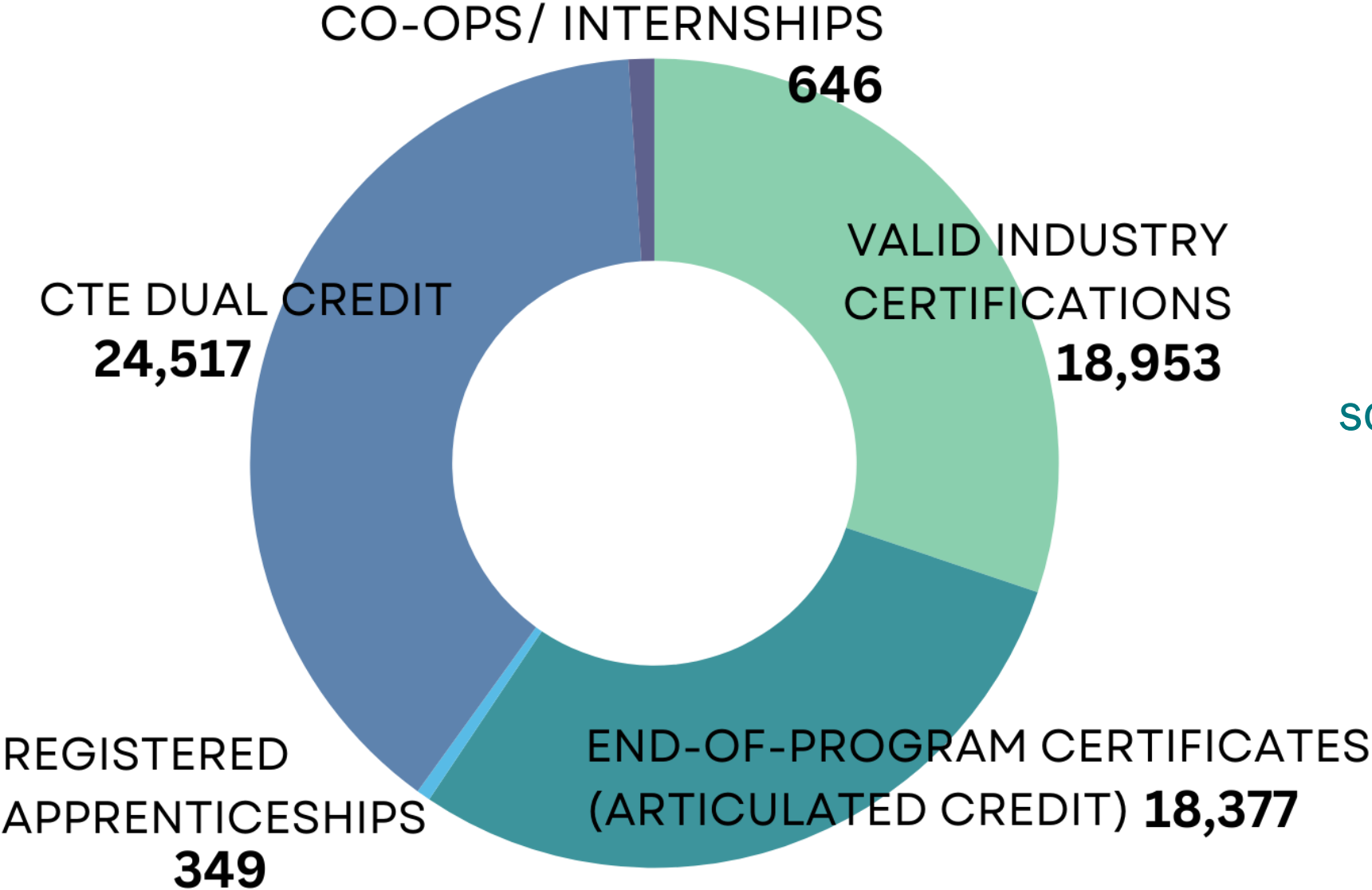
HS Grad Yr.	Grads Enrolling in Registered Apprenticeship	Employment 3 Yrs. Out				Employment 4 Yrs. Out				Employment 5 Yrs. Out			
		Employed	Percent	Median Wage*	Mean Wage**	Employed	Percent	Median Wage*	Mean Wage**	Employed	Percent	Median Wage*	Mean Wage**
2017	10	10	100.0%	\$38,072	\$33,759	10	100.0%	\$39,615	\$41,341	10	100.0%	\$47,224	\$43,972
2018	15	15	100.0%	\$43,864	\$36,668	15	100.0%	\$49,410	\$44,040				
2019	41	38	92.7%	\$41,067	\$38,497								

Notes:

Median Wage* and Mean Wage** - According to the Kentucky Center for Statistics (KYSTATS) 2022 Occupational Employment and Wage Statistics for Kentucky Report the:

- 1) Total Median Wage for all occupations in Kentucky is \$39,183
- 2) Total Mean Wage for all occupations in Kentucky is \$50,118

2022-2023 CAREER READINESS BY THE NUMBERS



SOURCE: *Infinite Campus and TEDS*

Futuriti

How Kentuckians find their future



2024 State Career and Technical Student Organization Competitions



[DECA: March 4](#)
[Galt House Hotel, Louisville](#)



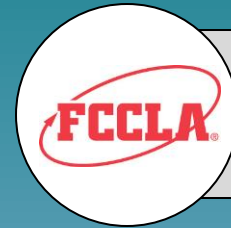
[Educators Rising: March 6](#)
[Ky Exposition Center](#)



[HOSA: March 14 & 15](#)
[Crowne Plaza, Louisville](#)



[TSA: March 18 & 19](#)
[Marriot, Downtown Louisville](#)



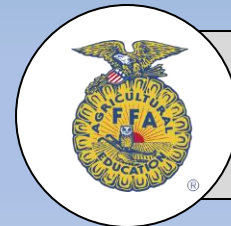
[FCCLA: March 27](#)
[Galt House Hotel, Louisville](#)



[FBLA: April 8 & 9](#)
[Galt House Hotel, Louisville](#)



[SkillsUSA: April 17-20](#)
[Crowne Plaza, Louisville](#)



[FFA: June 5-7](#)
[Central Bank Center, Lexington](#)



visit the
Kentucky CTE Showcase
First Floor Training
Rooms A & B

Kentucky schools offer a diverse selection of more than 135 unique career and technical education pathways! See the highlights of some of the finest programs that pave the way for future success.

CTE Month
Every February, the CTE community celebrates CTE Month® to raise awareness of the role that CTE has in readying learners for college and career success. It is also a time to recognize and celebrate the achievements and accomplishments of our CTE partners at the local, state and national level.

