Career and Technical Education

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What is CTE?

Career and Technical Education (CTE) is an educational model that helps students discover their skills and passions related to career development.

CTE aligns elementary, secondary, and postsecondary education to labor market demands and provides students with the technical, academic, and employability knowledge and skills they need for success.

What does Career Technical Education look like in Transylvania County Schools?

Career Education at the Elementary

5th Grade: Establishing Career Awareness

Career awareness prepares students by introducing them to the first step of career development, introducing the concept of a "career" to students and beginning the students' understanding of the different careers they may pursue.

Student Learning Objectives:

Students become aware of what a career is, can talk about some careers they have learned about, and are exposed to self-awareness for potential career likes and dislikes.

Experiences might include:

- Explore the definition of "career" and in class lessons provided by CDC
- Guest speakers
- Awareness of Career and Technical Student Organizations (CTSOs)
- Career day with local businesses
- Career-centered games
- Self-assessments
- CTE program area spotlights (more visuals present in elementary and middle school buildings)
- Career bingo/scavenger hunts
- Career fairs such as Careers on Wheels event and school Career Fair
- Career field trips
- Career day activities such as Career Scavenger Hunt

6th Grade

6th Grade: Career Awareness & Self Knowledge

Student Learning Objectives:

Students become aware of their likes and dislikes and formulate career aspirations and have options to take CTE classes.

7th Grade

7th Grade: Knowledge of the World of Work and Education

Student Learning Objectives:

Students are able to give examples of how their skills and interests relate to career fields and occupations & Access to classes.

8th Grade

8th Grade: Decision Making & Goal Setting

Student Learning Objectives:

Students recognize that their educational performance is important for reaching their goals and make decisions in a systematic way and access to CTE classes.

Career Education at the High School Level

9th Grade - Learning ABOUT Work

Students build awareness of careers
and begin to identify areas of interest.
Students are aware of the role of post-
secondary education.

10th Grade - Learning ABOUT Work

Activities provide students with a
deeper understanding of the work-
place. Students explore career
options to provide motivation and
inform decision-making in high
school and post-secondary education.
Students have the opportunity to
Explore and refine areas of interest and prepare for higher intensity work-based
learning experiences through interactions with business partners.

11th Grade - Learning THROUGH Work

Activities are designed to help
students develop the basic foundational skills needed for college and career
readiness. Students apply learning through practical experience and interactions
with professionals from industry and the community.

12th Grade - Learning FOR Work

Training for postsecondary education and/or employment/military in a specific
range of occupations.
Student Learning Outcome:
Students are able to demonstrate knowledge of occupations in a career and
skills specific to employment in a range of fields or future college majors.
Experiences might include:
- Internships
- Pre-Apprenticeship
- Leadership Development / Community Service
- Certifications / Credentials (CTE)
- Community College Visit / Career Services
- College Application Process
- WorkKeys BootCamp
- WorkKeys testing

CFNC Activities
- Year Long assessments and individualized meetings and completion of FASA

WBL Opportunities
- Internships
- Apprenticeship
- Volunteer Experience

CTE Pathways and Program Areas at the High School Level

Agriculture & Natural Resources

Animal Science Pathway

Plant Systems Pathway

Natural Resources Pathway

Architecture & Construction
Carpentry Pathway
Masonry Pathway
Drafting Architecture Pathway
Interior Design Pathway

Arts, A/V Technology, & Communication
Adobe Academy Pathway

Business Management & Administration
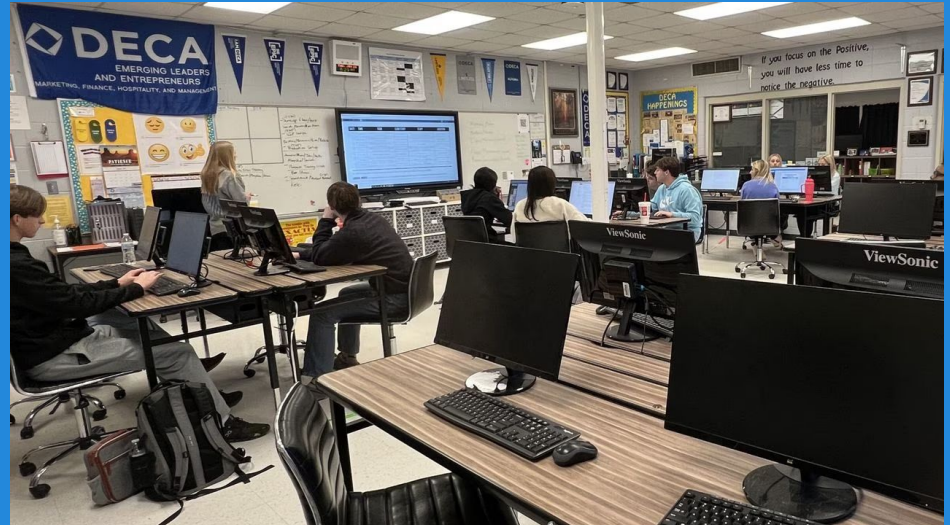
Entrepreneurship Pathway

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Health Science

Healthcare Professional Pathway

Marketing
Marketing Management Pathway

Science, Technology, Engineering, & Math
Technology Engineering and Design Pathway

Hospitality & Tourism

Culinary Arts Applications Pathway

Hospitality and Tourism Management

4-Year Cohort Graduation Rates

2022-23 CTE Concentrator Graduates		
Subgroup	**Actual**	**Benchmark**
All Students	97.1	93.57
Male	95.9	92.51
Female	98.4	94.91
Black	100	100
Hispanic	100	100
Two or More Races	100	83.86
White	96.4	93.71
Economically Disadvantaged	95.2	91.95
English Learner	100	69.2
Students With Disabilities	100	89.09

2022-23 Credentialing Data

Credential Attainment Rates		
NC	**Western Region**	**TCS**
41%	30%	67% (up from 48%)

6th in NC!!

TCS Students Earned 1,884 individual Credentials!

Adobe Illustrator, Photoshop, Premiere Pro, Indesign; AHLEI Certified Guest Service Professional; Autodesk Certified User AutoCAD, Revit; Beef Quality Assurance; Certified Veterinary Assistant; CPR/AED; Entrepreneurship and Small Business Certification; First Aid, Fundamental Marketing Concepts; NC NCCER Core, Carpentry I, Carpentry II, Masonry I, Masonry II, Masonry III; OSHA 10-Hour Construction, General Industry; ServSafe Food Manager; Stop the Bleed; Youth for the Quality Care of Animals; Venture Entrepreneurial Expedition

Comprehensive Local Needs Assessment (CLNA)

- Our primary focus is to increase the number of CTE concentrators that have obtained a quality recognized credential upon graduation by .5% for the next two years.

- With the workforce and labor market diversifying, students who graduate with an industry recognized credential are more employable in the current economy.

- We will work towards this goal by comparing the credentials by course document with credentials aligned to employment in Transylvania County, then provide or arrange professional development for teachers to obtain credentials offered in their program area. Review NCDPI approved credentials with area employers and MAWDB to ensure credentials are relevant to local employers and beneficial to students. Create a list of credentials to offer in each CTE course and give to the CTE teachers in order for the students to complete the credentials. Review credential competencies and compare to course competencies when analyzing student proficiency. Share data between teachers and school admin.

End Goal…..3 E's

➢ Enrolled

➢ Employed

➢ Enlisted