



CTE NEWS



"Eight years after their expected graduation date, students who focused on Career and Technical Education (CTE) courses while in high school had higher median annual earnings than students who did not focus on CTE." ~ United States Department of Education



POSSIBLE CAREER PATHWAY-NETWORK SUPPORT SERVICES

This Network Support Services Career Pathway is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this pathway is to prepare students to be successful both personally and professionally in an information-based society. The courses in the pathway include the exploration and use of: databases, the internet, network terminology and protocols, local-area networks, wide-area networks, OSI models, cabling, cabling tools, routers, router programming, Ethernet, IP addressing and network standards, IT management skills, troubleshooting and diagnostic techniques and network design standards. A teacher with a Business Education Certification is authorized by the state to teach this course. The three courses in the pathway are Networking 1, Networking 2- Infrastructure and Networking 3 - Infrastructure.



Pathway Partners for CTE are an important part of our Career and Technical Education Career Pathways. We are lucky to have community members who come into our schools and talk with our students about their experiences, opportunities and jobs.

This gives our students important insights into careers in their fields of interest. These community members provide friendly faces that can answer questions about current trends, post-secondary educational tips and information that they themselves wish that someone had told them as they started their careers. Bay District Schools also offers "Nepris" a platform that connects industry to classrooms where teachers set up live interactions or choose videos of previous live presentation on different career opportunities. Bay District Schools offers mentoring opportunities through "Elevate Bay." This is the website for information: <https://www.bay.k12.fl.us/elevate-bay>. If you would like to volunteer and/or mentor with a CTE student at a particular school, you can just let the Elevate Bay staff know and they will coordinate that for you. Bay District CTE would love to have you!



UPCOMING EVENTS

January is CTE Mentoring Month

- January 11th - CTE High School Virtual Meeting at 3:30pm
- January 12th - CTE Leadership Team Preparation Meeting for our CTE Senior Conference Event.
- January 13th - CTE Middle School Testing meeting at 3:30pm.
- January 26-28 - CTE Perkins & Infrastructure Audit



**"Tomorrow, is the first blank page of a 365 page book. Write a good one."
— Brad Paisley**



Page 2 information/Statistics on the ways CTE Works provided by ACTE.

Please visit the Bay District School's Website for information on Career and Technical Information:
<https://www.bay.k12.fl.us/cte-2>

CTE Works for High School Students
High school students involved in CTE are more engaged, perform better and graduate at higher rates.

CTE Works for College Students and Adults
Postsecondary CTE fosters postsecondary completion and prepares students and adults for in-demand careers.

CTE Works for the Economy
Investing in CTE yields big returns for state economies.

CTE Works for Business
CTE addresses the needs of high-growth industries and helps close the skills gap.

74.9 percentage of all high school freshmen who graduated within four years

81 percentage of dropouts who say relevant, real-world learning opportunities would have kept them in high school

90.18 percentage of high school CTE concentrators who graduated within four years

70+ percentage of secondary CTE concentrators who enter postsecondary education shortly after high school

80 percentage of secondary CTE graduates who had earned a postsecondary credential or were still enrolled in college two years later

<\$19,000 annual premium of a CTE associate degree or credential over a humanities associate degree

27 percentage of license and certificate holders who earn more than bachelor's degree recipients

\$16.40 return on each public dollar invested in community colleges in Connecticut

\$5 billion total annual return on that investment

\$9 amount of revenue and benefits returned on every dollar invested in secondary CTE in Washington

\$13 million annual tax revenue created by CTE secondary program completers in Tennessee

726,000 open jobs in trade, transportation and utilities

256,000 open jobs in manufacturing

3/5 the share of fastest-growing occupations that are in health care

30 percentage of all job openings by 2020 that will require some college or a two-year associate degree

CTE Works!

ACTE

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Connecting Education and Careers

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References for this research can be found at www.acteonline.org or by contacting cimperatore@acteonline.org.