FUTURE READY INSTITUTES
of Hamilton County

HAMILTON COUNTY SCHOOLS

EPB Institute of Information Technology and Networking

The EPB Institute of Technology and Networking at Tyner Academy is an incredible opportunity for students to begin their journey with careers in technology while in high school. In partnership with the Electric Power Board of Chattanooga, students will gain a strong understanding of computer systems, coding, and networking. Students will have multiple opportunities to travel to EPB gaining an in depth knowledge of career opportunities in information technology, infrastructure networking and cyber security. Students will leave high school prepared for a career in IT and equipped to continue their studies in post-secondary programs.

> *"My favorite thing about my Future Ready class is that I've learned how to make a website. This year I've created four websites and it was pretty easy."*
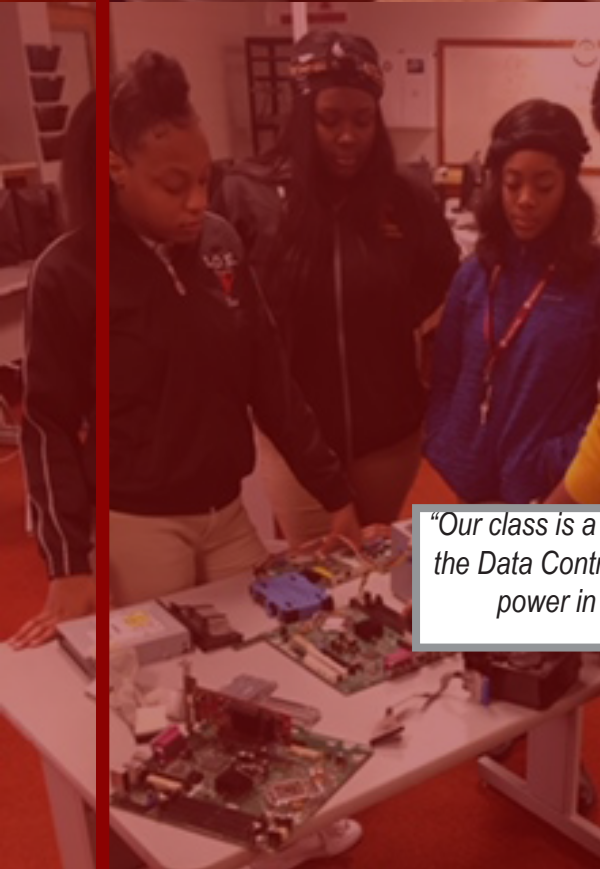
> *"Our class is a partnered with EPB. We took a field trip there and saw the Data Control Center. It was fun to see all the screens that control power in the city. Now I know why EPB is called Gig City."*

> *"I enjoy this class because it provides me with a lot of opportunities. I'm learning about careers that I didn't know about and understanding technology will help prepare me for the future."*

Tyner Academy

www.hcde.org/fri

@HCSFutureReady
@TA_FutureReady

Career Technical Education Pathways:

Networking- Networking is an advanced course designed to emphasize the conceptual and practical skills necessary to design, manage, and diagnose network hardware and software. Within this course of study students will identify types of networks, understand the layers of the open systems interconnection (OSI) model, prevent security risks, and apply troubleshooting theory to the successful execution of networking tasks.

Coding- Coding is intended to teach students the basics of computer programming. This course pathway emphasizes standard programming techniques and the logic tools typically used by programmers to create simple computer applications. In their course study students will problem solve by planning multi-step procedures that includes writing, analyzing, reviewing and revising programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language.

Student schedules will consist of both Future Ready Institute classes as well as the opportunity to take a variety of classes offered by the particular high school in order to fulfill all graduation requirements. This is the 4 year plan for the student's institute classes only. *DE= Dual Enrollment *IC= Industry Certification

FRI Pathway(s)	Year 1	Year 2	Year 3	Year 4
CTE	Computer Science Foundations *IC: CompTIA IT Fundamentals*	Computer Systems *IC: CompTIA A+ -and/or- Cisco Certified Entry Network Tech*	DE: Networking *IC: CompTIA Network + -and/or- Microsoft Technology Associate Infrastructure -and/or- Cisco IT Essential PC Hardware & Software Certification -and/or- Cisco Certified Network Associate*	WBL
		Coding I	DE: Coding *IC: Microsoft Technology Associate Software Development Fundamentals -and/or- CIW Web Foundation -and/or- JavaScript Specialist -and/or- Advanced HTML5/CSS3*	Coding Practicum
Core Classes	English 9 Algebra 1	English 10 Geometry	English 11 Algebra 2	English 12 Senior Level Math

Tyner Academy
6836 Tyner Road
Chattanooga, TN 37421
(423) 855-2635
Principal- Mr. Gerald Harris
Institute Lead Administrator-
Mr. Gerald Harris
FRI Coordinator- Erin Glenn
glenn_erin@hcde.org

Branded Partner:
EPB
Partners

FRI Opportunities:
-learn the "EPB Way"
-explore the growing need for technical skills in the workforce
-mentorship
-learn how to refine a resume
-mock interviews
-examine the future of the workforce -partner with local STEAM programs
-participate in an internship
-hands on PBL instruction

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