Information Technology

Cumberland High School
CTE Pathways Plan of Study Document

Career Pathways Pathway Plan for _____ **YOG** _____ **Counselor:** _____

CTE Information Technology Program						
	Grade	**English** *Required: 4 Credits*	**Math** *Required: 4 Credits* *(Algebra I, II & Geometry req'd)*	**Science** *Required: Principles of Physics, Chemistry, Biology*	**Social Studies** *Required: US History, Global Studies, Civics, 1.0 Elective*	**Scheduling Notes** *7.0 Credits req'd each year* *Remaining credits will be PE & Electives*
**Interest inventory administered and plan of study initiated before end of 9th grade year*						
	9	Intro to English Studies I	1.0 Math:	Principles of Physics	US History	
	10	Introduction to English Studies II	1.0 Math:	Chemistry	World History - Modern World & Civics (0.5)	
	11	1.0 ELA Credit	1.0 Math:	Biology	1.0 SS elective credit	
	12	1.0 ELA Credit	1.0 Math:			

Pathway Plan of Study (CTE Courses, Credentials/Certifications, Work-Based Learning)					
Grade	**Career-Related Coursework**	**Recommended Courses**	**Work-Based Learning Experiences**	**Certifications/ Credentials**	***Sample* Occupations Related to Pathway**
9		**Choose one:** • Game Design (0.5) • Computer Engineering (0.5) • Exploring Computer Science (0.5)			➢ *Software Developer* ➢ *Software Engineer* ➢ *Video Game Developer* ➢ *Application Developer* ➢ *Computer Programmer* ➢ *Mobile Developer* ➢ *Software Architect* ➢ *Product Manager* ➢ *Back-end Developer*
10	• Intro to Computing Concepts		• Embedded Course Experiences	• 4 URI Concurrent Enrollment Credits	
11	• AP Computer Science Principles	• Networking & Cybersecurity	• 15 Hours Service Learning (in field of study)	• 4 URI Concurrent Enrollment Credits	
12	• AP Computer Science A • Design & Development for IT		• Capstone Project	• YouScience: Computer Programming II • 4 URI Concurrent Enrollment Credits	

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Scheduling Reminders	Other Program Reminders
★ All plans of study need to meet learner's career goals and pathway requirements. ★ All course selections should meet required annual credit maximum (7.0 credits). ★ All course requests are utilized to build the master schedule for the following school year. ★ Please be sure to select the appropriate courses at the time of registration. ★ Participation in SkillsUSA and appropriate work-based learning activities to support and reinforce classroom and laboratory learning is recommended for all students.	★ Job Shadows recommended in grades 9-10 ★ 15 hours Service Learning completed in chosen field of study ★ Track completion of WBL hours ★ All tracking documents and guidance available in CTE Guidebook (on Google Classrooms and cte.cumberlandschools.com)

Google Classroom Codes

CTE:

- **CTE PLTW Biomedical Science**: rnfsitz
- **CTE Business Management & Finance:** onprxhw
- **CTE Cybersecurity:** j34vq2t
- **CTE Digital Communication & Marketing:** gdy3gyn
- **CTE Educator Preparation:** 2s4iz4lj
- **CTE Environmental Engineering:** xuj4vzp
- **CTE Health Careers (EMT/CNA):** rnfsitz
- **CTE Health Careers (Sports):** rnfsitz
- **CTE Information Technology:** j34vq2t
- **CTE Law & Public Safety:** hzkbrn7
- **CTE Pre-Engineering:** xuj4vzp

LEA:

- **LEA Engineering Technician:** oxsx2j5v
- **LEA Performing Arts:** oxsx2j5v
- **LEA Visual Arts:** oxsx2j5v