

Information Technology
Programs of Study: Cybersecurity

Chapter 127. Texas Essential Knowledge and Skills for Career Development and Career and Technical Education Subchapter M. Information Technology

	1st Six Weeks	2nd Six Weeks	3rd Six Weeks	4th Six Weeks	5th Six Weeks	6th Six Weeks
Principles of Information Technology	Professional Standards, Employability, and Careers	Hardware Components	Network Systems	Spreadsheet Technology	Data Base Technology	Design and Web Publishing
	Information Exchange	Software	Word Processing Technology	Computer Programming Concepts	Presentation Management Technology	Legal and Ethical Procedures
Networking Security and Lab	Introduction to Networks	Ethernet and Ethernet Switching	IP Addressing and Subnetting	The Need for Cybersecurity	Protecting Your Data and Privacy	Careers in Cybersecurity
	Networking Fundamentals	Network Access and Ethernet LANS		Attacks, Concepts and Techniques	Proecting the Organization	
	OSI Model and TCP/IP Network Protocols and Communications	Ethernet Standards, Frames, and Switch Operations	Introduction to Wide Area Networks			
Foundations of Cybersecurity Capstone	Course Introduction	Introduction to OSPF	Network Security Basics	Incident Response	Threat and Vulnerability Management	Security Policies and Compliance
	Introduction to CISCO Commands					
	UnderstandingVLANs					
	Static Routing	Cybersecurity Fundamentals	Security Monitoring and Analysis			
AP Computer Science Principles	Digital Information	Introduction to App Design	Lists, Loops and Traversals	Parameters, Returns, and Libraries	Data	AP Exam Review
	The Internet	Variables, Conditionals, and Functions	Algorithms	Creating Performance Task Prep - College Board Exam	Cybersecurity and Global Impacts	AP Computer Science Principels Exam
	Introduction to App Design	Lists, Loops and Traversals			Exam Review and Practice	
Advanced Computer Science	Intro to Coding Using Scratch Scratch/Events, Input-Output, Why Program?	Environment Coding Using Alice Basics	Typing Code Using Jeroo Basics	Digital Citizenship	Java and Simple Algorithms Java and Simple Algorithms Loops/Iteration	Binary/Numerical Data Conversions
	Scratch Data and Variables	Alice - Variables, Loops, Functions, Events	Jeroo Methods, Ifs, Loops, Boolean	Careers in Computer Science	Java and Simple Alorithms Strings	Robo Code/App Inventor
	Scratch Algorithms			Java and Simple Algorithms: Data Types and Selection	Binary/Numerical Data Conversions in Computer Systems	
AP Computer Science	Computer Science / Programming Fundamentals / Java Basics	Objects and Methods	Selection and Iteration	Class Creation	Data Collection	AP Computer Science Exams
	Objects and Methods	Selection and Iteration	Class Creation	Data Collection	Exam Review and Practice	AP Computer Science A Exam