Goodheart-Willcox Publisher
Correlation of Computer Service and Repair ©2022
to North Carolina Department of Education
Course: NCCTE BI12 CompTIA IT Fundamentals (Grades 9–12)

Standards		Correlating Text Pages
NCCTE.2020.BI12 CompTIA IT Fundamentals		
NCCTE.2020.BI12.01.00 Understand computing basics and computer hardware.		
NCCTE.2020.BI12.01.01	Understand computing basics.	4-35
NCCTE.2020.BI12.01.02	Identify the types of computing devices.	5-9
NCCTE.2020.BI12.01.03	Identify internal computer system components.	40-74, 79-116, 121-152, 191-226
NCCTE.2020.BI12.01.04	Identify common computer connector types	12-17, 94-1011, 171-176, 235-236, 287-288, 291-296, 351-357, 358-365, 411-412, 429-430,447-449, 458, 463-467, 470-472, 494-519, 680-682
NCCTE.2020.BI12.01.05	Identify common peripheral devices	12
NCCTE.2020.BI12.01.06	Understand safety issues and environmental concepts in computing.	31-35
NCCTE.2020.BI12.01.07	Understand the value of data and information.	5-10
NCCTE.2020.BI12.01.08	Understand information technology career pathways. (Supplemental)	893-896
NCCTE.2020.BI12.02.00 Understand computer software and software development concepts.		
NCCTE.2020.BI12.02.01	Understand types of software and their uses.	74, 532, 609, 775-776, 827
NCCTE.2020.BI12.02.02	Understand working with files, folders, and applications.	46, 49-50, 52, 71-73, 443
NCCTE.2020.BI12.02.03	Identify programming language categories.	195
NCCTE.2020.BI12.02.04	Understand programming organizational techniques and interpret logic.	195
NCCTE.2020.BI12.02.05	Understand the purpose and use of programming concepts.	195
NCCTE.2020.BI12.03.00 Understand computer workstation setup and issue troubleshooting.		
NCCTE.2020.BI12.03.01	Identify the steps to set up a basic computer workstation.	17-25
NCCTE.2020.BI12.03.02	Understand how to back up and restore data.	320-321, 633-634
NCCTE.2020.BI12.03.03	Understand troubleshooting hardware and software.	576-605, 610-612

Standards		Correlating Text Pages
NCCTE.2020.BI12.03.04	Identify the factors that influence the computer purchasing decision making process. (Supplemental)	4-35
NCCTE.2020.BI12.04.00 Understand networking.		
NCCTE.2020.BI12.04.01	Understand network characteristics, data sharing, and storage methods.	10, 320-321, 694-734, 790-820
NCCTE.2020.BI12.04.02	Understand how to install and configure a SOHO router.	790-820
NCCTE.2020.BI12.05.00 Understand wireless technology and mobile devices.		
NCCTE.2020.BI12.05.01	Understand how to configure wireless devices.	251-256
NCCTE.2020.BI12.05.02	Understand the basics of using wireless devices.	251-256
NCCTE.2020.BI12.06.00 Understand computer security.		
NCCTE.2020.BI12.06.01	Identify the types of computer security threats.	556-567
NCCTE.2020.BI12.06.02	Understand computer user account settings to secure computing devices.	525-541
NCCTE.2020.BI12.06.03	Identify secure web browsing practices.	556-567
NCCTE.2020.BI12.07.00 Understand database fundamentals		
NCCTE.2020.BI12.07.01	Understand database concepts and the purpose of a database.	640
NCCTE.2020.BI12.07.02	Identify various database structures.	640
NCCTE.2020.BI12.07.03	Understand methods used to interface with databases.	640