

CompuScholar, Inc.

Correlations to the Texas Essential Knowledge and Skills (TEKS): Principles of Information Technology

CompuScholar Course Details:

Course Title: CompuScholar: Digital Savvy
Course ISBN: 978-0-9887070-8-5
Course Year: 2016

Texas Course Details:

Subject	Chapter 130. Texas Essential Knowledge and Skills for Career & Technical Education
Subchapter	Subchapter K. Information Technology
Course	§130.302. Principles of Information Technology (One Credit), Adopted 2015.
TEKS Coverage (%)	100%

Special Instructions to Reviewers:

Hands-on student **activities** can be found in two formats throughout the course. Some activities are separate links that lead to a **dedicated Activity description page**. Other activities are found **embedded in the lesson text** pages. Embedded activities are clearly marked as "**Work-With-Me**" sections that have special shading and borders. TEKS citations listed as "Activity" below may refer to activities in both formats.

Knowledge and Skills Statement: (1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:		
Student Expectation	Breakout	Citation
(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative	(i) identify work behaviors that enhance employability	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24, Lesson 1 Quiz Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Narrative - Chapter 13, Lesson 1 Text

<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(ii) identify work behaviors that enhance job advancement</p>	<p>Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24, Lesson 1 Quiz Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Narrative - Chapter 13, Lesson 1 Text</p>
<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(iii) identify qualities that enhance employability</p>	<p>Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24, Lesson 1 Quiz Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Narrative - Chapter 13, Lesson 1 Text</p>
<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(iv) identify qualities that enhance job advancement</p>	<p>Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24, Lesson 1 Quiz Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Narrative - Chapter 13, Lesson 1 Text</p>
<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(v) demonstrate work behaviors that enhance employability</p>	<p>Narrative - Chapter 24, Lesson 1 Text Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Chapter 25, Activities 1 - 3 (Team Project)</p>
<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(vi) demonstrate work behaviors that enhance job advancement</p>	<p>Narrative - Chapter 24, Lesson 1 Text Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Chapter 25, Activities 1 - 3 (Team Project)</p>
<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(vii) demonstrate qualities that enhance employability</p>	<p>Narrative - Chapter 24, Lesson 1 Text Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Chapter 25, Activities 1 - 3 (Team Project)</p>

<p>(1.A) identify and demonstrate work behaviors and qualities that enhance employability and job advancement such as regular attendance, attention to proper attire, maintenance of a clean and safe work environment, pride in work, flexibility, and initiative</p>	<p>(viii) demonstrate qualities that enhance job advancement</p>	<p>Narrative - Chapter 24, Lesson 1 Text Narrative - Chapter 24, Lesson 2 Text Activity - Chapter 24, Lesson 2 Quiz Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Chapter 25, Activities 1 - 3 (Team Project)</p>
<p>(1.B) employ effective verbal and nonverbal communication skills</p>	<p>(i) employ effective verbal communication skills</p>	<p>Narrative - Chapter 13, Lesson 1 Text Activity - Chapter 13, Activity (Project Planning) Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Chapter 25, Activities 1 - 3 (Team Project)</p>
<p>(1.B) employ effective verbal and nonverbal communication skills</p>	<p>(ii) employ effective nonverbal communication skills</p>	<p>Narrative - Chapter 13, Lesson 1 Text Activity - Chapter 13, Activity (Project Planning) Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Chapter 25, Activities 1 - 3 (Team Project)</p>
<p>(1.C) employ effective reading and writing skills</p>	<p>(i) employ effective reading skills</p>	<p>Narrative - Chapter 2, Lesson 2 Text Activity - Chapter 2, Lesson 2 Text (Work-With-Me: EULAs) Narrative - Chapter 2, Lesson 5 Text Activity - Chapter 2, Lesson 5 Text (Work-With-Me: Trendy Research) Activity - Students have multiple other opportunities to read while performing a variety of research tasks and activities.</p>
<p>(1.C) employ effective reading and writing skills</p>	<p>(ii) employ effective writing skills</p>	<p>Narrative - Chapter 13, Lesson 2 Text Activity - Chapter 13, Activity (Project Planning) Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activities 1 - 3 (Team Project) Activity - Students have multiple opportunities to create reports and other written artifacts in many chapter activities.</p>

(1.D) solve problems and think critically	(i) solve problems	<p>Narrative - Chapter 5, Lesson 3 Text Activity - Chapter 5 Activity (Problem Solver) Narrative - Chapter 13, Lesson 3 Text Activity - Chapter 13, Lesson 3 Quiz Activity - Chapter 14, Activity 3 (Project Delivery)</p>
(1.D) solve problems and think critically	(ii) think critically	<p>Narrative - Chapter 5, Lesson 3 Text Activity - Chapter 5 Activity (Problem Solver) Narrative - Chapter 13, Lesson 3 Text Activity - Chapter 13, Lesson 3 Quiz Activity - Chapter 14, Activity 3 (Project Delivery)</p>
(1.E) demonstrate leadership skills and function effectively as a team member	(i) demonstrate leadership skills	<p>Narrative - Chapter 13, Lesson 1 Text Activity - Chapter 13, Lesson 1 Text (Work With Me - Leadership Experience) Activity - Chapter 13, Lesson 1 Quiz Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Project Planning)</p>
(1.E) demonstrate leadership skills and function effectively as a team member	(ii) function effectively as a team member	<p>Narrative - Chapter 13, Lesson 3 Text Activity - Chapter 13, Lesson 3 Quiz Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activities 1 - 3 (Team Project)</p>
(1.F) identify and implement proper safety procedures	(i) identify proper safety procedures	<p>Narrative - Chapter 24, Lesson 3 Text Activity - Chapter 24, Lesson 3 Quiz Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz</p>
(1.F) identify and implement proper safety procedures	(ii) implement proper safety procedures	<p>Narrative - Chapter 24, Lesson 3 Text Activity - Chapter 24, Lesson 3 Quiz Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz</p>
(1.G) demonstrate planning and time-management skills such as storyboarding and project management, including initiating, planning, executing, monitoring and controlling, and closing a project	(i) demonstrate planning skills	<p>Narrative - Chapter 13, Lesson 2 Text Activity - Chapter 13 Activity (Project Planning) Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Project Planning)</p>
(1.G) demonstrate planning and time-management skills such as storyboarding and project management, including initiating, planning, executing, monitoring and controlling, and closing a project	(ii) demonstrate time-management skills	<p>Narrative - Chapter 13, Lesson 2 Text Activity - Chapter 13 Activity (Project Planning) Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Project Planning)</p>

Knowledge and Skills Statement: (2) The student identifies various employment opportunities in the IT field. The student is expected to:		
Student Expectation	Breakout	Citation
(2.A) identify job opportunities and accompanying job duties and tasks	(i) identify job opportunities	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24 Activity (Exploring Computing Careers)
(2.A) identify job opportunities and accompanying job duties and tasks	(ii) identify [job opportunities'] accompanying job duties	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24 Activity (Exploring Computing Careers)
(2.B) research careers of personal interest along with the education, job skills, and experience required to achieve personal career goals	(i) research careers of personal interest	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24 Activity (Exploring Computing Careers)
(2.B) research careers of personal interest along with the education, job skills, and experience required to achieve personal career goals	(ii) research the education required to achieve personal career goals	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24 Activity (Exploring Computing Careers)
(2.B) research careers of personal interest along with the education, job skills, and experience required to achieve personal career goals	(iii) research the job skills required to achieve personal career goals	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24 Activity (Exploring Computing Careers)
(2.B) research careers of personal interest along with the education, job skills, and experience required to achieve personal career goals	(iv) research the experience required to achieve personal career goals	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24 Activity (Exploring Computing Careers)
(2.C) describe the functions of resumes and portfolios	(i) describe the functions of resumes	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24, Lesson 1 Quiz
(2.C) describe the functions of resumes and portfolios	(ii) describe the functions of portfolios	Narrative - Chapter 24, Lesson 1 Text Activity - Chapter 24, Lesson 1 Quiz

Knowledge and Skills Statement: (3) The student uses evolving and emerging technologies to exchange information. The student is expected to:		
Student Expectation	Breakout	Citation
(3.A) identify and describe functions of various evolving and emerging technologies	(i) identify functions of various evolving technologies	Narrative - Chapter 2, Lesson 5 Text Activity - Chapter 2, Lesson 5 Text (Work-With-Me: Trendy Research) Activity - Chapter 2, Lesson 5 Quiz
(3.A) identify and describe functions of various evolving and emerging technologies	(ii) identify functions of various emerging technologies	Narrative - Chapter 2, Lesson 5 Text Activity - Chapter 2, Lesson 5 Text (Work-With-Me: Trendy Research) Activity - Chapter 2, Lesson 5 Quiz
(3.A) identify and describe functions of various evolving and emerging technologies	(iii) describe functions of various evolving technologies	Narrative - Chapter 2, Lesson 5 Text Activity - Chapter 2, Lesson 5 Text (Work-With-Me: Trendy Research) Activity - Chapter 2, Lesson 5 Quiz
(3.A) identify and describe functions of various evolving and emerging technologies	(iv) describe functions of various emerging technologies	Narrative - Chapter 2, Lesson 5 Text Activity - Chapter 2, Lesson 5 Text (Work-With-Me: Trendy Research) Activity - Chapter 2, Lesson 5 Quiz
(3.B) send and receive text information and file attachments using electronic methods such as email, electronic bulletin boards, and instant message services	(i) send text information using electronic methods	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16 Activity (Sending Messages) Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz
(3.B) send and receive text information and file attachments using electronic methods such as email, electronic bulletin boards, and instant message services	(ii) send file attachments using electronic methods	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16 Activity (Sending Messages) Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz Activity - Students also upload project files to our online system in most chapters
(3.B) send and receive text information and file attachments using electronic methods such as email, electronic bulletin boards, and instant message services	(iii) receive text information using electronic methods	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16 Activity (Sending Messages) Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz Activity - Students also receive every chapter lesson in electronic text format.

<p>(3.B) send and receive text information and file attachments using electronic methods such as email, electronic bulletin boards, and instant message services</p>	<p>(iv) receive file attachments using electronic methods</p>	<p>Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16 Activity (Sending Messages) Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz Activity - Students also receive supplemental files from our online system in a variety of areas.</p>
<p>(3.C) demonstrate effective Internet search strategies, including keywords and Boolean logic, using various available search engines</p>	<p>(i) demonstrate effective Internet search strategies, including keywords, using various available search engines</p>	<p>Narrative - Chapter 7, Lesson 1 Text Activity - Chapter 7, Lesson 1 Quiz Activity - Chapter 7 Activity (Search Report)</p>
<p>(3.C) demonstrate effective Internet search strategies, including keywords and Boolean logic, using various available search engines</p>	<p>(ii) demonstrate effective Internet search strategies, including Boolean logic, using various available search engines</p>	<p>Narrative - Chapter 7, Lesson 1 Text Activity - Chapter 7, Lesson 1 Quiz Activity - Chapter 7 Activity (Search Report)</p>
<p>(3.D) identify the various components of a Uniform Resource Locator</p>	<p>(i) identify the various components of a Uniform Resource Locator</p>	<p>Narrative - Chapter 21, Lesson 1 Text Activity - Chapter 21, Lesson 1 Quiz Activity - Chapter 21 Activity (Final Website) Narrative - Chapter 6, Lesson 5 Text Activity - Chapter 6, Lesson 5 Quiz</p>
<p>(3.E) demonstrate ability to effectively test acquired information from the Internet for accuracy, relevance, and validity</p>	<p>(i) demonstrate ability to effectively test acquired information from the Internet for accuracy</p>	<p>Narrative - Chapter 7, Lesson 3 Text Activity - Chapter 7, Lesson 3 Quiz Activity - Chapter 7 Activity (Search Report)</p>
<p>(3.E) demonstrate ability to effectively test acquired information from the Internet for accuracy, relevance, and validity</p>	<p>(ii) demonstrate ability to effectively test acquired information from the Internet for relevance</p>	<p>Narrative - Chapter 7, Lesson 3 Text Activity - Chapter 7, Lesson 3 Quiz Activity - Chapter 7 Activity (Search Report)</p>

(3.E) demonstrate ability to effectively test acquired information from the Internet for accuracy, relevance, and validity	(iii) demonstrate ability to effectively test acquired information from the Internet for validity	Narrative - Chapter 7, Lesson 3 Text Activity - Chapter 7, Lesson 3 Quiz Activity - Chapter 7 Activity (Search Report)
(3.F) explain issues concerning computer-based threats such as computer viruses, malware, and hacking	(i) explain issues concerning computer-based threats	Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz Narrative - Chapter 8, Lesson 2 Text Activity - Chapter 8, Lesson 2 Quiz
(3.G) explain issues concerning Internet safety such as identity theft, online predators, cyber-bullying, and phishing	(i) explain issues concerning Internet safety	Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz Narrative - Chapter 18, Lesson 4 Text Activity - Chapter 18, Lesson 4 Quiz

Knowledge and Skills Statement: (4) The student demonstrates knowledge of the hardware components associated with information systems. The student is expected to:

Student Expectation	Breakout	Citation
(4.A) identify major hardware components and their functions	(i) identify major hardware components	Narrative - Chapter 1, Lesson 2 Text Activity - Chapter 1, Lesson 2 Quiz Narrative - Chapter 1, Lesson 3 Text Activity - Chapter 1, Lesson 3 Quiz Activity - Chapter 1 Activity (Peripheral Expertise)
(4.A) identify major hardware components and their functions	(ii) identify [major hardware components'] functions	Narrative - Chapter 1, Lesson 2 Text Activity - Chapter 1, Lesson 2 Quiz Narrative - Chapter 1, Lesson 3 Text Activity - Chapter 1, Lesson 3 Quiz Activity - Chapter 1 Activity (Peripheral Expertise)
(4.B) use available reference tools as appropriate	(i) use available reference tools as appropriate	Narrative - Chapter 1, Lesson 3 Text Activity - Chapter 1, Lesson 3 Quiz Activity - Chapter 1 Activity (Peripheral Expertise) Narrative - Chapter 1, Lesson 4 Text Activity - Chapter 1, Lesson 4 Text (Work-With-Me: Research Activity)
(4.C) connect and use a variety of peripheral devices such as mouse, keyboard, microphone, digital camera, and printer	(i) connect a variety of peripheral devices	Narrative - Chapter 1, Lesson 3 Text Activity - Chapter 1, Lesson 3 Quiz Activity - Chapter 1 Activity (Peripheral Expertise)

<p>(4.C) connect and use a variety of peripheral devices such as mouse, keyboard, microphone, digital camera, and printer</p>	<p>(ii) use a variety of peripheral devices</p>	<p>Narrative - Chapter 1, Lesson 3 Text Activity - Chapter 1, Lesson 3 Quiz Activity - Chapter 1 Activity (Peripheral Expertise) Activity - Students will use a mouse, keyboard, and monitor to access all online course material.</p>
---	---	---

Knowledge and Skills Statement: (5) The student demonstrates knowledge of the different software associated with information systems. The student is expected to:

Student Expectation	Breakout	Citation
<p>(5.A) differentiate between systems and application software</p>	<p>(i) differentiate between systems and application software</p>	<p>Narrative - Chapter 2, Lesson 1 Text Activity - Chapter 2, Lesson 1 Quiz Activity - Chapter 2 Activity (Application Inventory)</p>
<p>(5.B) identify and explain major operating system fundamentals and components such as disk operations, graphical user interface components, and hardware drivers</p>	<p>(i) identify major operating system fundamentals</p>	<p>Narrative - Chapter 3, Lesson 1 Text Activity - Chapter 3, Lesson 1 Quiz Narrative - Chapter 3, Lesson 2 Text Activity - Chapter 3, Lesson 2 Quiz Activity - Chapter 3 Activity (OS Report)</p>
<p>(5.B) identify and explain major operating system fundamentals and components such as disk operations, graphical user interface components, and hardware drivers</p>	<p>(ii) identify major operating system components</p>	<p>Narrative - Chapter 3, Lesson 1 Text Activity - Chapter 3, Lesson 1 Quiz Narrative - Chapter 3, Lesson 2 Text Activity - Chapter 3, Lesson 2 Quiz Activity - Chapter 3 Activity (OS Report)</p>
<p>(5.B) identify and explain major operating system fundamentals and components such as disk operations, graphical user interface components, and hardware drivers</p>	<p>(iii) explain major operating system fundamentals</p>	<p>Narrative - Chapter 3, Lesson 1 Text Activity - Chapter 3, Lesson 1 Quiz Narrative - Chapter 3, Lesson 2 Text Activity - Chapter 3, Lesson 2 Quiz Activity - Chapter 3 Activity (OS Report)</p>
<p>(5.B) identify and explain major operating system fundamentals and components such as disk operations, graphical user interface components, and hardware drivers</p>	<p>(iv) explain major operating system components</p>	<p>Narrative - Chapter 3, Lesson 1 Text Activity - Chapter 3, Lesson 1 Quiz Narrative - Chapter 3, Lesson 2 Text Activity - Chapter 3, Lesson 2 Quiz Activity - Chapter 3 Activity (OS Report)</p>
<p>(5.C) explain the purpose of file types across software products</p>	<p>(i) explain the purpose of file types across software products</p>	<p>Narrative - Chapter 4, Lesson 1 Text Activity - Chapter 4, Lesson 1 Quiz Narrative - Chapter 9, Lesson 1 Text Activity - Chapter 9, Lesson 1 Quiz Narrative - Chapter 10, Lesson 1 Text</p>

(5.D) demonstrate use of computer numbering systems and internal data representation such as identifying the hexadecimal value of a color	(i) demonstrate use of computer numbering systems	Narrative - Chapter 23, Lesson 1 Text Activity - Chapter 23, Lesson 1 Quiz Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz Narrative - Chapter 20, Lesson 2 Text
(5.D) demonstrate use of computer numbering systems and internal data representation such as identifying the hexadecimal value of a color	(ii) demonstrate use of internal data representation	Narrative - Chapter 23, Lesson 1 Text Activity - Chapter 23, Lesson 1 Quiz Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz Narrative - Chapter 20, Lesson 2 Text
(5.E) compare and contrast open source and proprietary software	(i) compare and contrast open source and proprietary software	Narrative - Chapter 2, Lesson 2 Text Activity - Chapter 2, Lesson 2 Quiz
(5.F) explain use of system management tools	(i) explain use of system management tools	Narrative - Chapter 3, Lesson 2 Text Activity - Chapter 3, Lesson 2 Quiz Activity - Chapter 3 Activity (OS Report) Narrative - Chapter 4, Lesson 2 Text Activity - Chapter 4 Activity (Savvy Folders)
(5.G) apply proper file management techniques such as creating, naming, organizing, copying, moving, and deleting files	(i) apply proper file management techniques	Narrative - Chapter 4, Lesson 2 Text Activity - Chapter 4, Lesson 2 Quiz Narrative - Chapter 4, Lesson 3 Text Activity - Chapter 4, Lesson 3 Quiz Activity - Chapter 4 Activity (Savvy Folders)
(5.H) use appropriate file protection and security	(i) use appropriate file protection	Narrative - Chapter 9, Lesson 2 Text Activity - Chapter 9, Lesson 2 Quiz
(5.H) use appropriate file protection and security	(ii) use appropriate file security	Narrative - Chapter 9, Lesson 2 Text Activity - Chapter 9, Lesson 2 Quiz
(5.I) explain the process for discovering, quarantining, and removing viruses from a computer system	(i) explain the process for discovering viruses	Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz
(5.I) explain the process for discovering, quarantining, and removing viruses from a computer system	(ii) explain the process for quarantining viruses	Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz
(5.I) explain the process for discovering, quarantining, and removing viruses from a computer system	(iii) explain the process for removing viruses from a computer system	Narrative - Chapter 8, Lesson 1 Text Activity - Chapter 8, Lesson 1 Quiz

Knowledge and Skills Statement: (6) The student analyzes network systems. The student is expected to:

Student Expectation	Breakout	Citation
(6.A) identify hardware associated with telecommunications and data networking such as servers, routers, switches, and network connectors	(i) identify hardware associated with telecommunications	Narrative - Chapter 6, Lesson 1 Text Activity - Chapter 6, Lesson 1 Text (Work-With-Me: Connection Survey) Activity - Chapter 6, Lesson 1 Quiz
(6.A) identify hardware associated with telecommunications and data networking such as servers, routers, switches, and network connectors	(ii) identify hardware associated with data networking	Narrative - Chapter 6, Lesson 1 Text Activity - Chapter 6, Lesson 1 Text (Work-With-Me: Connection Survey) Activity - Chapter 6, Lesson 1 Quiz
(6.B) identify and describe various types of networks such as peer-to-peer, local area networks, wide area networks, wireless and Ethernet	(i) identify various types of networks	Narrative - Chapter 6, Lesson 2 Text Activity - Chapter 6, Lesson 2 Quiz
(6.B) identify and describe various types of networks such as peer-to-peer, local area networks, wide area networks, wireless and Ethernet	(ii) describe various types of networks	Narrative - Chapter 6, Lesson 2 Text Activity - Chapter 6, Lesson 2 Quiz Narrative - Chapter 6, Lesson 4 Text Activity - Chapter 6, Lesson 4 Quiz
(6.C) identify functions of network operating systems	(i) identify functions of network operating systems	Narrative - Chapter 6, Lesson 2 Text Activity - Chapter 6, Lesson 2 Quiz
(6.D) explain troubleshooting techniques for various network connection issues	(i) explain troubleshooting techniques for various network connection issues	Narrative - Chapter 6, Lesson 4 Text Activity - Chapter 6, Lesson 4 Quiz

Knowledge and Skills Statement: (7) The student applies word-processing technology. The student is expected to:

Student Expectation	Breakout	Citation
(7.A) identify the terminology associated with word-processing software	(i) identify the terminology associated with word-processing software	Narrative - Chapter 9, Lesson 2 Text Activity - Chapter 9, Lesson 2 Quiz Narrative - Chapter 9, Lesson 3 Text Activity - Chapter 9, Lesson 3 Quiz Activity - Chapter 9 Activities 1 -2 (A Professional Letter, Formatting a Research Paper)

(7.B) edit a variety of text documents using functions such as pagination, appropriate white space, tab settings, and font style, size, and color	(i) edit a variety of text documents using functions	Narrative - Chapter 9, Lesson 2 Text Activity - Chapter 9, Lesson 2 Quiz Narrative - Chapter 9, Lesson 3 Text Activity - Chapter 9, Lesson 3 Quiz Activity - Chapter 9 Activities 1 -2 (A Professional Letter, Formatting a Research Paper)
(7.C) create professional documents such as memorandums, technical manuals, or proposals using advanced word-processing features	(i) create professional documents using advanced word-processing features	Narrative - Chapter 9, Lesson 4 Text Activity - Chapter 9, Lesson 4 Quiz Narrative - Chapter 9, Lesson 5 Text Activity - Chapter 9, Lesson 5 Quiz Activity - Chapter 9 Activities 1 -2 (A Professional Letter, Formatting a Research Paper)

Knowledge and Skills Statement: (8) The student applies spreadsheet technology. The student is expected to:

Student Expectation	Breakout	Citation
(8.A) identify the terminology associated with spreadsheet software	(i) identify the terminology associated with spreadsheet software	Narrative - Chapter 10, Lesson 2 Text Activity - Chapter 10, Lesson 2 Quiz Narrative - Chapter 10, Lesson 3 Text Activity - Chapter 10, Lesson 3 Quiz Activity - Chapter 10 Activities 1 - 3 (Checkbook Registers)
(8.B) use numerical content to perform mathematical calculations	(i) use numerical content to perform mathematical calculations	Narrative - Chapter 10, Lesson 6 Text Activity - Chapter 10, Lesson 6 Quiz Activity - Chapter 10, Activity 2 (Checkbook Calculations)
(8.C) use student-created and preprogrammed functions to produce documents such as budget, payroll, statistical tables, and personal checkbook register	(i) use student-created functions to produce documents	Narrative - Chapter 10, Lesson 6 Text Activity - Chapter 10, Lesson 6 Quiz Activity - Chapter 10, Activity 2 (Checkbook Calculations)
(8.C) use student-created and preprogrammed functions to produce documents such as budget, payroll, statistical tables, and personal checkbook register	(ii) use preprogrammed functions to produce documents	Narrative - Chapter 10, Lesson 6 Text Activity - Chapter 10, Lesson 6 Quiz Activity - Chapter 10, Activity 2 (Checkbook Calculations)
(8.D) identify, generate, and describe the function of comma separated value files	(i) identify comma separated value files	Narrative - Chapter 10, Lesson 2 Text Activity - Chapter 10, Lesson 2 Quiz

(8.D) identify, generate, and describe the function of comma separated value files	(ii) generate comma separated value files	Narrative - Chapter 10, Lesson 2 Text Activity - Chapter 10, Lesson 2 Quiz
(8.D) identify, generate, and describe the function of comma separated value files	(iii) describe the function of comma separated value files	Narrative - Chapter 10, Lesson 2 Text Activity - Chapter 10, Lesson 2 Quiz
(8.E) create and analyze spreadsheets incorporating advanced features such as lookup tables, nested IF statements, subtotals, cell protection conditional formatting, charts, and graphs	(i) create spreadsheets incorporating advanced features	Narrative - Chapter 10, Lesson 6 Text Activity - Chapter 10, Lesson 6 Quiz Narrative - Chapter 10, Lesson 7 Text Activity - Chapter 10, Lesson 7 Quiz Activity - Chapter 10, Activity 3 (Checkbook Charts)
(8.E) create and analyze spreadsheets incorporating advanced features such as lookup tables, nested IF statements, subtotals, cell protection conditional formatting, charts, and graphs	(ii) analyze spreadsheets incorporating advanced features	Narrative - Chapter 10, Lesson 6 Text Activity - Chapter 10, Lesson 6 Quiz Narrative - Chapter 10, Lesson 7 Text Activity - Chapter 10, Lesson 7 Quiz Activity - Chapter 10, Activity 3 (Checkbook Charts)
(8.F) perform sorting, searching, and data filtering in documents	(i) perform sorting in documents	Narrative - Chapter 10, Lesson 5 Text Activity - Chapter 10, Lesson 5 Quiz
(8.F) perform sorting, searching, and data filtering in documents	(ii) perform searching in documents	Narrative - Chapter 10, Lesson 5 Text Activity - Chapter 10, Lesson 5 Quiz
(8.F) perform sorting, searching, and data filtering in documents	(iii) perform data filtering in documents	Narrative - Chapter 10, Lesson 5 Text Activity - Chapter 10, Lesson 5 Quiz

Knowledge and Skills Statement: (9) The student explores computer programming concepts. The student is expected to:

Student Expectation	Breakout	Citation
(9.A) identify the function of compilers and interpreters	(i) identify the function of compilers	Narrative - Chapter 22, Lesson 1 Text Activity - Chapter 22, Lesson 1 Quiz
(9.A) identify the function of compilers and interpreters	(ii) identify the function of interpreters	Narrative - Chapter 22, Lesson 1 Text Activity - Chapter 22, Lesson 1 Quiz

(9.B) explain the difference between the operation of compilers and interpreters	(i) explain the difference between the operation of compilers and interpreters	Narrative - Chapter 22, Lesson 1 Text Activity - Chapter 22, Lesson 1 Quiz
(9.C) identify various computer languages and how the languages are used in software development	(i) identify various computer languages	Narrative - Chapter 22, Lesson 1 Text Activity - Chapter 22, Lesson 1 Quiz
(9.C) identify various computer languages and how the languages are used in software development	(ii) identify how the [computer] languages are used in software development	Narrative - Chapter 22, Lesson 1 Text Activity - Chapter 22, Lesson 1 Quiz
(9.D) recognize data representation in software development such as string, numeric, character, integer, and date	(i) recognize data representation in software development	Narrative - Chapter 23, Lesson 1 Text Activity - Chapter 23, Lesson 1 Quiz Activity - Chapter 23 Activity (Making Change)
(9.E) identify and explain the concept of algorithms	(i) identify algorithms	Narrative - Chapter 22, Lesson 3 Text Activity - Chapter 22, Lesson 3 Quiz Activity - Chapter 22, Lesson 3 Text (Work-With-Me: Scratching Out a Square)
(9.E) identify and explain the concept of algorithms	(ii) explain the concept of algorithms	Narrative - Chapter 22, Lesson 3 Text Activity - Chapter 22, Lesson 3 Quiz Activity - Chapter 22, Lesson 3 Text (Work-With-Me: Scratching Out a Square)
(9.F) describe the flow of a structured algorithm, including linear and iterative instructions such as using a flow chart	(i) describe the flow of a structured algorithm, including linear instructions	Narrative - Chapter 22, Lesson 3 Text Activity - Chapter 22, Lesson 3 Quiz Activity - Chapter 22, Lesson 3 Text (Work-With-Me: Scratching Out a Square)
(9.F) describe the flow of a structured algorithm, including linear and iterative instructions such as using a flow chart	(ii) describe the flow of a structured algorithm, including iterative instructions	Narrative - Chapter 23, Lesson 2 Text Activity - Chapter 23, Lesson 2 Quiz Activity - Chapter 23 Activity (Making Change)

Knowledge and Skills Statement: (10) The student explores database technology. The student is expected to:		
Student Expectation	Breakout	Citation
(10.A) identify the terminology associated with database software and database functions	(i) identify the terminology associated with database software	Narrative - Chapter 12, Lesson 1 Text Activity - Chapter 12, Lesson 1 Quiz Narrative - Chapter 12, Lesson 2 Text Activity - Chapter 12, Lesson 2 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.A) identify the terminology associated with database software and database functions	(ii) identify the terminology associated with database functions	Narrative - Chapter 12, Lesson 4 Text Activity - Chapter 12, Lesson 4 Quiz Narrative - Chapter 12, Lesson 5 Text Activity - Chapter 12, Lesson 5 Quiz Activity - Chapter 12, Activity 2 (Music Reports)
(10.B) explore the application of databases	(i) explore the application of databases	Narrative - Chapter 12, Lesson 1 Text Activity - Chapter 12, Lesson 1 Quiz Narrative - Chapter 12, Lesson 2 Text Activity - Chapter 12, Lesson 2 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.C) identify and explain the purpose and elements of a query language	(i) identify the purpose of a query language	Narrative - Chapter 12, Lesson 3 Text Activity - Chapter 12, Lesson 3 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.C) identify and explain the purpose and elements of a query language	(ii) identify the elements of a query language	Narrative - Chapter 12, Lesson 3 Text Activity - Chapter 12, Lesson 3 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.C) identify and explain the purpose and elements of a query language	(iii) explain the purpose of a query language	Narrative - Chapter 12, Lesson 3 Text Activity - Chapter 12, Lesson 3 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.C) identify and explain the purpose and elements of a query language	(iv) explain the elements of a query language	Narrative - Chapter 12, Lesson 3 Text Activity - Chapter 12, Lesson 3 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.D) identify and explain the purpose of fields and records	(i) identify the purpose of fields	Narrative - Chapter 12, Lesson 2 Text Activity - Chapter 12, Lesson 2 Quiz Narrative - Chapter 12, Lesson 4 Text Activity - Chapter 12, Lesson 4 Quiz Activity - Chapter 12, Activity 1 (Music Database)

(10.D) identify and explain the purpose of fields and records	(ii) identify the purpose of records	Narrative - Chapter 12, Lesson 2 Text Activity - Chapter 12, Lesson 2 Quiz Narrative - Chapter 12, Lesson 4 Text Activity - Chapter 12, Lesson 4 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.D) identify and explain the purpose of fields and records	(iii) explain the purpose of fields	Narrative - Chapter 12, Lesson 2 Text Activity - Chapter 12, Lesson 2 Quiz Narrative - Chapter 12, Lesson 4 Text Activity - Chapter 12, Lesson 4 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.D) identify and explain the purpose of fields and records	(iv) explain the purpose of records	Narrative - Chapter 12, Lesson 2 Text Activity - Chapter 12, Lesson 2 Quiz Narrative - Chapter 12, Lesson 4 Text Activity - Chapter 12, Lesson 4 Quiz Activity - Chapter 12, Activity 1 (Music Database)
(10.E) describe the process of constructing a query, including multiple search parameters	(i) describe the process of constructing a query, including multiple search parameters	Narrative - Chapter 12, Lesson 4 Text Activity - Chapter 12, Lesson 4 Quiz Activity - Chapter 12, Activity 1 (Music Database)

Knowledge and Skills Statement: (11) The student applies presentation management technology. The student is expected to:

Student Expectation	Breakout	Citation
(11.A) identify the terminology and functions of presentation software	(i) identify the terminology of presentation software	Narrative - Chapter 11, Lesson 2 Text Activity - Chapter 11, Lesson 2 Quiz Narrative - Chapter 11, Lesson 3 Text Activity - Chapter 11, Lesson 3 Quiz Activity - Chapter 11, Activity 1 (Starting Your Presentation)
(11.A) identify the terminology and functions of presentation software	(ii) identify the functions of presentation software	Narrative - Chapter 11, Lesson 2 Text Activity - Chapter 11, Lesson 2 Quiz Narrative - Chapter 11, Lesson 3 Text Activity - Chapter 11, Lesson 3 Quiz Activity - Chapter 11, Activity 1 (Starting Your Presentation)

(11.B) create, save, edit, and produce presentations incorporating advanced features such as links, hyperlinks, audio, and graphics	(i) create presentations incorporating advanced features	Narrative - Chapter 11, Lesson 4 Text Activity - Chapter 11, Lesson 4 Quiz Narrative - Chapter 11, Lesson 5 Text Activity - Chapter 11, Lesson 5 Quiz Activity - Chapter 11, Activity 2 (Finishing Your Presentation)
(11.B) create, save, edit, and produce presentations incorporating advanced features such as links, hyperlinks, audio, and graphics	(ii) save presentations incorporating advanced features	Narrative - Chapter 11, Lesson 4 Text Activity - Chapter 11, Lesson 4 Quiz Narrative - Chapter 11, Lesson 5 Text Activity - Chapter 11, Lesson 5 Quiz Activity - Chapter 11, Activity 2 (Finishing Your Presentation)
(11.B) create, save, edit, and produce presentations incorporating advanced features such as links, hyperlinks, audio, and graphics	(iii) edit presentations incorporating advanced features	Narrative - Chapter 11, Lesson 4 Text Activity - Chapter 11, Lesson 4 Quiz Narrative - Chapter 11, Lesson 5 Text Activity - Chapter 11, Lesson 5 Quiz Activity - Chapter 11, Activity 2 (Finishing Your Presentation)
(11.B) create, save, edit, and produce presentations incorporating advanced features such as links, hyperlinks, audio, and graphics	(iv) produce presentations incorporating advanced features	Narrative - Chapter 11, Lesson 4 Text Activity - Chapter 11, Lesson 4 Quiz Narrative - Chapter 11, Lesson 5 Text Activity - Chapter 11, Lesson 5 Quiz Activity - Chapter 11, Activity 2 (Finishing Your Presentation)

Knowledge and Skills Statement: (12) The student applies design and web publishing techniques. The student is expected to:

Student Expectation	Breakout	Citation
(12.A) identify the terminology associated with web page development and interactive media	(i) identify the terminology associated with web page development	Narrative - Chapter 19, Lesson 1 Text Activity - Chapter 19, Lesson 1 Quiz Narrative - Chapter 19, Lesson 2 Text Activity - Chapter 19, Lesson 2 Quiz Activity - Chapter 19 Activity (Beginning Web Page)
(12.A) identify the terminology associated with web page development and interactive media	(ii) identify the terminology associated with interactive media	Narrative - Chapter 21, Lesson 3 Text Activity - Chapter 21, Lesson 3 Quiz Activity - Chapter 21 Activity (Final Website)
(12.B) identify and explain design elements such as typeface, color, shape, texture, space, and form	(i) identify design elements	Narrative - Chapter 20, Lesson 3 Text Activity - Chapter 20, Lesson 3 Quiz Activity - Chapter 20 Activity (Formatted Web Page)

(12.B) identify and explain design elements such as typeface, color, shape, texture, space, and form	(ii) explain design elements	Narrative - Chapter 20, Lesson 3 Text Activity - Chapter 20, Lesson 3 Quiz Activity - Chapter 20 Activity (Formatted Web Page)
(12.C) identify and explain design principles such as unity, harmony, balance, scale, and contrast	(i) identify design principles	Narrative - Chapter 20, Lesson 3 Text Activity - Chapter 20, Lesson 3 Quiz Activity - Chapter 20 Activity (Formatted Web Page)
(12.C) identify and explain design principles such as unity, harmony, balance, scale, and contrast	(ii) explain design principles	Narrative - Chapter 20, Lesson 3 Text Activity - Chapter 20, Lesson 3 Quiz Activity - Chapter 20 Activity (Formatted Web Page)
(12.D) identify and explain common elements of Hyper Text Markup Language (HTML) such as tags, stylesheets, and hyperlinks	(i) identify common elements of Hyper Text Markup Language (HTML)	Narrative - Chapter 19, Lesson 1 Text Activity - Chapter 19, Lesson 1 Quiz Narrative - Chapter 19, Lesson 2 Text Activity - Chapter 19, Lesson 2 Quiz Activity - Chapter 19 Activity (Beginning Web Page)
(12.D) identify and explain common elements of Hyper Text Markup Language (HTML) such as tags, stylesheets, and hyperlinks	(ii) explain common elements of Hyper Text Markup Language (HTML)	Narrative - Chapter 19, Lesson 1 Text Activity - Chapter 19, Lesson 1 Quiz Narrative - Chapter 19, Lesson 2 Text Activity - Chapter 19, Lesson 2 Quiz Activity - Chapter 19 Activity (Beginning Web Page)
(12.E) create a web page containing links, graphics, and text using appropriate design principles	(i) create a web page containing links, graphics, and text using appropriate design principles	Narrative - Chapter 20, Lesson 1 Text (Body) Narrative - Chapter 21, Lesson 1 Text (Links) Narrative - Chapter 21, Lesson 2 Text (Images) Activity - Chapter 21 Activity (Final Website) Activity - Students will also complete Work-With-Me activities in the above lessons.

Knowledge and Skills Statement: (13) The student understands and demonstrates legal and ethical procedures as they apply to the use of information technology. The student is expected to:

Student Expectation	Breakout	Citation
(13.A) explain and demonstrate ethical use of technology and online resources	(i) explain ethical use of technology	Narrative - Chapter 8, Lesson 4 Text Activity - Chapter 8, Lesson 4 Quiz

(13.A) explain and demonstrate ethical use of technology and online resources	(ii) explain ethical use of online resources	Narrative - Chapter 8, Lesson 4 Text Activity - Chapter 8, Lesson 4 Quiz
(13.A) explain and demonstrate ethical use of technology and online resources	(iii) demonstrate ethical use of technology	Narrative - Chapter 8, Lesson 4 Text Activity - Chapter 8, Lesson 4 Quiz
(13.A) explain and demonstrate ethical use of technology and online resources	(iv) demonstrate ethical use of online resources	Narrative - Chapter 8, Lesson 4 Text Activity - Chapter 8, Lesson 4 Quiz
(13.B) adhere to intellectual property laws	(i) adhere to intellectual property laws	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz Narrative - Chapter 21, Lesson 2 Text Activity - Chapter 21, Lesson 2 Quiz
(13.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(i) explain the concept of intellectual property laws, including copyright	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz Narrative - Chapter 21, Lesson 2 Text Activity - Chapter 21, Lesson 2 Quiz
(13.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(ii) explain the concept of intellectual property laws including, trademarks	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(iii) explain the concept of intellectual property laws, including patents	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(iv) explain the consequences of violating [copyright] law	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(v) explain the consequences of violating [trademark] law	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(vi) explain the consequences of violating [patent] law	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz

(13.D) examine the consequences of plagiarism	(i) examine the consequences of plagiarism	Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.E) identify and explain unethical practices such as hacking, online piracy, and data vandalism	(i) identify unethical practices	Narrative - Chapter 8, Lesson 4 Text Activity - Chapter 8, Lesson 4 Quiz Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.E) identify and explain unethical practices such as hacking, online piracy, and data vandalism	(ii) explain unethical practices	Narrative - Chapter 8, Lesson 4 Text Activity - Chapter 8, Lesson 4 Quiz Narrative - Chapter 8, Lesson 5 Text Activity - Chapter 8, Lesson 5 Quiz
(13.F) demonstrate ethical use of online resources, including citation of source	(i) demonstrate ethical use of online resources, including citation of source	Narrative - Chapter 7, Lesson 3 Text Activity - Chapter 7, Lesson 3 Quiz