

CompuScholar, Inc.

Correlations to the Texas Essential Knowledge and Skills (TEKS): Web Technologies

CompuScholar Course Details:

Course Title: KidCoder: Web Design Course ISBN: 978-0-9887070-3-0 Course Year: 2015
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Texas Course Details:

Subject	Chapter 130. Texas Essential Knowledge and Skills for Career & Technical Education
Subchapter	Subchapter K. Information Technology
Course	§130.308. Web Technologies (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 - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)

<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 - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</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 work qualities that enhance employability</p>	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</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 work qualities that enhance job advancement</p>	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</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 - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</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 - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</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 work qualities that enhance employability</p>	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</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 work qualities that enhance job advancement</p>	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>
<p>(1.B) employ effective verbal and nonverbal communication skills</p>	<p>(i) employ effective verbal communication skills</p>	<p>Narrative - Chapter 14, Lessons 1 - 3 Text (Team Project) Activity - Chapter 14, Activities 1 - 3 (Team Project) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(1.B) employ effective verbal and nonverbal communication skills</p>	<p>(ii) employ effective nonverbal communication skills</p>	<p>Narrative - Chapter 14, Lessons 1 - 3 Text (Team Project) Activity - Chapter 14, Activities 1 - 3 (Team Project) Narrative - Supplemental Lesson 7 Text Activity - Supplemental Activity 7 (Technical Writing Exercise)</p>
<p>(1.C) examine the role of certifications, resumes, and portfolios in the web technology profession</p>	<p>(i) examine the role of certifications in the web technology profession</p>	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>

(1.C) examine the role of certifications, resumes, and portfolios in the web technology profession	(ii) examine the role of resumes in the web technology profession	<p>Narrative - Supplemental Lesson 8 Text</p> <p>Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>
(1.C) examine the role of certifications, resumes, and portfolios in the web technology profession	(iii) examine the role of portfolios in the web technology profession	<p>Narrative - Supplemental Lesson 8 Text</p> <p>Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>
(1.D) solve problems and think critically	(i) solve problems	<p>Narrative - Chapter 3, Lesson 1 Text (Problem Solving)</p> <p>Activity - Chapter 6 Activity (External CSS)</p> <p>Narrative - Chapter 14, Lesson 3 Text</p> <p>Activity - Chapter 14, Activity 3 (Evaluation and Feedback)</p>
(1.D) solve problems and think critically	(ii) think critically	<p>Narrative - Chapter 3, Lesson 1 Text (Problem Solving)</p> <p>Activity - Chapter 6 Activity (External CSS)</p> <p>Narrative - Chapter 14, Lesson 3 Text</p> <p>Activity - Chapter 14, Activity 3 (Evaluation and Feedback)</p>
(1.E) demonstrate leadership skills and function effectively as a team member	(i) demonstrate leadership skills	<p>Narrative - Chapter 14, Lessons 1 - 3 Text (Team Project)</p> <p>Activity - Chapter 14, Activities 1 - 3 (Team Project)</p> <p>Narrative - Chapter 28, Lesson 1 Text (Team Project)</p> <p>Activity - Chapter 28, Activity 1 (Team Project)</p>

(1.E) demonstrate leadership skills and function effectively as a team member	(ii) function effectively as a team member	<p>Narrative - Chapter 14, Lessons 1 - 3 Text (Team Project) Activity - Chapter 14, Activities 1 - 3 (Team Project) Narrative - Chapter 28, Lesson 1 Text (Team Project) Activity - Chapter 28, Activity 1 (Team Project)</p>
(1.F) demonstrate planning and time-management skills such as storyboarding and project management, including initiating, planning, executing, monitoring, and controlling, and closing projects	(i) demonstrate planning skills	<p>Narrative - Chapter 13, Lesson 1 Text Activity - Chapter 13, Lesson 1 Quiz Activity - Chapter 13 Activity (Storyboard and Site Map) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>

Knowledge and Skills Statement: (2) The student identifies employment opportunities in the IT field with a focus in the area of interactive media. The student is expected to:

Student Expectation	Breakout	Citation
(2.A) identify job opportunities and accompanying job duties and tasks	(i) identify job opportunities	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>
(2.A) identify job opportunities and accompanying job duties and tasks	(ii) identify [job opportunities'] accompanying job duties	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>
(2.A) identify job opportunities and accompanying job duties and tasks	(iii) identify [job opportunities'] accompanying job tasks	<p>Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)</p>

(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 along with the education required to achieve personal career goals	Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)
(2.B) research careers of personal interest along with the education, job skills, and experience required to achieve personal career goals	(ii) research careers of personal interest along with the job skills required to achieve personal career goals	Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)
(2.B) research careers of personal interest along with the education, job skills, and experience required to achieve personal career goals	(iii) research careers of personal interest along with the experience required to achieve personal career goals	Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)
(2.C) demonstrate an understanding of the functions of resumes and portfolios	(i) demonstrate an understanding of the functions of resumes	Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)
(2.C) demonstrate an understanding of the functions of resumes and portfolios	(ii) demonstrate an understanding of the functions of portfolios	Narrative - Supplemental Lesson 8 Text Activity - Supplemental Activity 8 (Exploring Web Design Careers)
(2.D) create a portfolio	(i) create a portfolio	Narrative - Chapter 14, Lessons 1 - 3 Text (Team Project) Activity - Chapter 14, Activities 1 - 3 (Team Project) Narrative - Chapter 28, Lesson 1 Text (Team Project) Activity - Chapter 28, Activity 1 (Team Project) Narrative - Supplemental Lesson 8 Text

Knowledge and Skills Statement: (3) The student demonstrates knowledge and appropriate use of hardware, software, and connectivity technologies. The student is expected to:		
Student Expectation	Breakout	Citation
(3.A) identify networking components and define the impact of networking components on web development	(i) identify networking components	Narrative - Chapter 15, Lesson 3 Text Activity - Chapter 15, Lesson 3 Quiz Narrative - Chapter 15, Lesson 4 Text Activity - Chapter 15, Lesson 4 Quiz Activity - Chapter 15 Activity (Investigate Your Environment)
(3.A) identify networking components and define the impact of networking components on web development	(ii) define the impact of networking components on web development	Narrative - Chapter 15, Lesson 2 Text Activity - Chapter 15, Lesson 2 Quiz Narrative - Chapter 15, Lesson 3 Text Activity - Chapter 15, Lesson 3 Text (Work-With-Me: Using Wired Versus Wireless Networks)
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(i) evaluate the various input devices	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(ii) evaluate the various processing devices	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(iii) evaluate the various output devices	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(iv) evaluate the various storage devices	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(v) evaluate the various input storage services	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(vi) evaluate the various processing storage services	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz

(3.B) evaluate the various input, processing, output, and storage devices and storage services	(vii) evaluate the various output storage services	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(3.B) evaluate the various input, processing, output, and storage devices and storage services	(viii) evaluate the various storage services	Narrative - Chapter 15, Lesson 1 Text Activity - Chapter 15, Lesson 1 Quiz Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(3.C) identify current and future Internet protocols such as hypertext transfer protocol, file transfer protocol, telnet, and email	(i) identify current Internet protocols	Narrative - Chapter 15, Lesson 5 Text Activity - Chapter 15, Lesson 5 Quiz
(3.C) identify current and future Internet protocols such as hypertext transfer protocol, file transfer protocol, telnet, and email	(ii) identify future Internet protocols	Narrative - Chapter 16, Lesson 3 Text Activity - Chapter 16, Lesson 3 Quiz
(3.D) describe new trends in web technology and evaluate their impact on web development	(i) describe new trends in web technology	Narrative - Chapter 16, Lesson 3 Text Activity - Chapter 16, Lesson 3 Quiz Narrative - Chapter 20, Lesson 1 Text Activity - Chapter 20, Lesson 1 Quiz
(3.D) describe new trends in web technology and evaluate their impact on web development	(ii) evaluate [new trends in web technology's] impact on web development	Narrative - Chapter 16, Lesson 3 Text Activity - Chapter 16, Lesson 3 Quiz Narrative - Chapter 20, Lesson 1 Text Activity - Chapter 20, Lesson 1 Quiz

Knowledge and Skills Statement: (4) The student complies with practices and behaviors that meet legal and ethical responsibilities. The student is expected to:

Student Expectation	Breakout	Citation
(4.A) explain and demonstrate ethical use of technology and online resources	(i) explain ethical use of technology	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz

(4.A) explain and demonstrate ethical use of technology and online resources	(ii) explain ethical use of online resources	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.A) explain and demonstrate ethical use of technology and online resources	(iii) demonstrate ethical use of technology	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.A) explain and demonstrate ethical use of technology and online resources	(iv) demonstrate ethical use of online resources	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.B) differentiate between copyright and trademarks	(i) differentiate between copyright and trademarks	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.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 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.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 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.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 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(iv) explain consequences of violating [copyright] law	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz

(4.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(v) explain consequences of violating [trademarks] law	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.C) explain the concept of intellectual property laws, including copyright, trademarks, and patents and consequences of violating each type of law	(vi) explain consequences of violating [patents] law	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.D) examine the consequences of plagiarism	(i) examine the consequences of plagiarism	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources	(i) adhere to copyright intellectual property laws, including demonstrating correct acquisition of sources	Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text
(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources	(ii) adhere to copyright intellectual property laws, including demonstrating correct citation of sources	Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text
(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources	(iii) adhere to trademark intellectual property laws, including demonstrating correct acquisition of sources	Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text

<p>(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources</p>	<p>(iv) adhere to trademark intellectual property laws, including demonstrating correct citation of sources</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text</p>
<p>(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources</p>	<p>(v) adhere to copyright intellectual property regulations, including demonstrating correct acquisition of sources</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text</p>
<p>(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources</p>	<p>(vi) adhere to copyright intellectual property regulations, including demonstrating correct citation of sources</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text</p>
<p>(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources</p>	<p>(vii) adhere to trademark intellectual property regulations, including demonstrating correct acquisition of sources</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text</p>

<p>(4.E) adhere to copyright and trademark intellectual property laws and regulations, including demonstrating correct acquisition and citation of sources</p>	<p>(viii) adhere to trademark intellectual property regulations, including demonstrating correct citation of sources</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 2 (Build website with externally referenced and cited content) Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Supplemental Lesson 7 Text</p>
<p>(4.F) discuss the process of acquiring rights to use copyrighted and trademarked content in a web site</p>	<p>(i) discuss the process of acquiring rights to use copyrighted content in a web site</p>	<p>Narrative - Chapter 11, Lesson 1 Text Activity - Chapter 11, Lesson 1 Quiz</p>
<p>(4.F) discuss the process of acquiring rights to use copyrighted and trademarked content in a web site</p>	<p>(ii) discuss the process of acquiring rights to use trademarked content in a web site</p>	<p>Narrative - Chapter 11, Lesson 1 Text Activity - Chapter 11, Lesson 1 Quiz</p>
<p>(4.G) demonstrate appropriate behavior and adherence to acceptable use policies when accessing and using online resources</p>	<p>(i) demonstrate appropriate behavior when accessing online resources</p>	<p>Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz</p>
<p>(4.G) demonstrate appropriate behavior and adherence to acceptable use policies when accessing and using online resources</p>	<p>(ii) demonstrate appropriate behavior when using online resources</p>	<p>Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz</p>
<p>(4.G) demonstrate appropriate behavior and adherence to acceptable use policies when accessing and using online resources</p>	<p>(iii) demonstrate adherence to acceptable use policies when accessing online resources</p>	<p>Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz</p>
<p>(4.G) demonstrate appropriate behavior and adherence to acceptable use policies when accessing and using online resources</p>	<p>(iv) demonstrate adherence to acceptable use policies when using online resources</p>	<p>Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz</p>

(4.H) explain the importance of information privacy such as securing credit card information, passwords, and personal information	(i) explain the importance of information privacy	Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz
(4.I) describe the function of a non-disclosure agreement	(i) describe the function of a non-disclosure agreement	Narrative - Chapter 16, Lesson 1 Text Activity - Chapter 16, Lesson 1 Quiz
(4.J) discuss website accessibility concerns	(i) discuss website accessibility concerns	Narrative - Chapter 13, Lesson 2 Text Activity - Chapter 13, Lesson 2 Quiz

Knowledge and Skills Statement: (5) The student evaluates electronic information. The student is expected to:

Student Expectation	Breakout	Citation
(5.A) identify appropriate methods to analyze the design and functionality of web pages	(i) identify appropriate methods to analyze the design of web pages	Narrative - Chapter 10, Lesson 1 Text Activity - Chapter 10, Lesson 1 Quiz Activity - Chapter 10, Activity 1 (Brand Research) Narrative - Chapter 17, Lesson 2 Text Activity - Chapter 17, Activity 1 (Analyze Websites for HTML5)
(5.A) identify appropriate methods to analyze the design and functionality of web pages	(ii) identify appropriate methods to analyze the functionality of web pages	Narrative - Chapter 10, Lesson 1 Text Activity - Chapter 10, Lesson 1 Quiz Activity - Chapter 10, Activity 1 (Brand Research) Narrative - Chapter 17, Lesson 2 Text Activity - Chapter 17, Activity 1 (Analyze Websites for HTML5)
(5.B) demonstrate skill in testing the accuracy and validity of information acquired	(i) demonstrate skill in testing the accuracy of information acquired	Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)

(5.B) demonstrate skill in testing the accuracy and validity of information acquired	(ii) demonstrate skill in testing the validity of information acquired	<p>Narrative - Chapter 14, Lesson 3 Text</p> <p>Activity - Chapter 14, Activity 3 (Evaluation and Feedback)</p> <p>Narrative - Supplemental Lesson 4 Text</p> <p>Activity - Supplemental Activity 4 (Your Client Docs)</p>
(5.C) synthesize information from data acquired from online resources	(i) synthesize information from data acquired from online resources	<p>Narrative - Chapter 14, Lesson 1 Text</p> <p>Activity - Chapter 14, Activity 1 (Online Research)</p> <p>Narrative - Chapter 14, Lesson 2 Text</p> <p>Activity - Chapter 14, Activity 2 (Build a Website)</p>

Knowledge and Skills Statement: (6) The student creates and modifies web and digital media designs. The student is expected to:

Student Expectation	Breakout	Citation
(6.A) implement functional design elements such as proximity, repetition, contrast, alignment, color theory, consistency, image file size, and typography	(i) implement functional design elements	<p>Narrative - Chapter 14, Lesson 1 Text</p> <p>Activity - Chapter 14, Activity 1 (Online Research)</p> <p>Narrative - Chapter 14, Lesson 2 Text</p> <p>Activity - Chapter 14, Activity 2 (Build a Website)</p>
(6.B) identify, create, modify, and use common file formats such as text, image, video analog and digital, and audio files	(i) identify common file formats	<p>Narrative - Chapter 2, Lesson 4 Text</p> <p>Activity - Chapter 2, Lesson 4 (Work-With-Me: Adding <html>)</p> <p>Narrative - Chapter 6, Lesson 5 Text</p> <p>Activity - Chapter 6, Activity (External CSS)</p> <p>Narrative - Chapter 25, Lesson 4 Text</p>
(6.B) identify, create, modify, and use common file formats such as text, image, video analog and digital, and audio files	(ii) create common file formats	<p>Narrative - Chapter 2, Lesson 4 Text</p> <p>Activity - Chapter 2, Lesson 4 (Work-With-Me: Adding <html>)</p> <p>Narrative - Chapter 6, Lesson 5 Text</p> <p>Activity - Chapter 6, Activity (External CSS)</p> <p>Activity - Chapter 25 Activity (Cuttlefish JavaScript file)</p>

<p>(6.B) identify, create, modify, and use common file formats such as text, image, video analog and digital, and audio files</p>	<p>(iii) modify common file formats</p>	<p>Narrative - Chapter 2, Lesson 4 Text Activity - Chapter 2, Lesson 4 (Work-With-Me: Adding <html>) Narrative - Chapter 6, Lesson 5 Text Activity - Chapter 6, Activity (External CSS) Activity - Chapter 25 Activity (Cuttlefish JavaScript file)</p>
<p>(6.B) identify, create, modify, and use common file formats such as text, image, video analog and digital, and audio files</p>	<p>(iv) use common file formats</p>	<p>Narrative - Chapter 2, Lesson 4 Text Activity - Chapter 2, Lesson 4 (Work-With-Me: Adding <html>) Narrative - Chapter 6, Lesson 5 Text Activity - Chapter 6, Activity (External CSS) Activity - Chapter 25 Activity (Cuttlefish JavaScript file)</p>
<p>(6.C) select, create, modify, and integrate effective digital content such as vector-based and raster graphics, motion graphics, video, and audio</p>	<p>(i) select effective digital content</p>	<p>Narrative - Chapter 11, Lessons 1 - 3 Text Activity - Chapter 11, Activities 1 - 2 Narrative - Chapter 19, Lessons 1 - 2 Text Narrative - Supplemental Lesson 5 Text Activity - Supplemental Activity 5 (Create and Edit a Video)</p>
<p>(6.C) select, create, modify, and integrate effective digital content such as vector-based and raster graphics, motion graphics, video, and audio</p>	<p>(ii) create effective digital content</p>	<p>Narrative - Chapter 11, Lessons 1 - 3 Text Activity - Chapter 11, Activities 1 - 2 Narrative - Chapter 19, Lessons 1 - 2 Text Narrative - Supplemental Lesson 5 Text Activity - Supplemental Activity 5 (Create and Edit a Video)</p>
<p>(6.C) select, create, modify, and integrate effective digital content such as vector-based and raster graphics, motion graphics, video, and audio</p>	<p>(iii) modify effective digital content</p>	<p>Narrative - Chapter 11, Lessons 1 - 3 Text Activity - Chapter 11, Activities 1 - 2 Narrative - Chapter 19, Lessons 1 - 2 Text Narrative - Supplemental Lesson 5 Text Activity - Supplemental Activity 5 (Create and Edit a Video)</p>

(6.C) select, create, modify, and integrate effective digital content such as vector-based and raster graphics, motion graphics, video, and audio	(iv) integrate effective digital content	<p>Narrative - Chapter 11, Lessons 1 - 3 Text</p> <p>Activity - Chapter 11, Activities 1 - 2</p> <p>Narrative - Chapter 19, Lessons 1 - 2 Text</p> <p>Narrative - Supplemental Lesson 5 Text</p> <p>Activity - Supplemental Activity 5 (Create and Edit a Video)</p>
(6.D) create web pages using current web standards and web development skills such as version control, documentation, web application security, validation, accessibility, and compatibility across multiple browsers and devices	(i) create web pages using current web standards	<p>Narrative - Chapter 2, Lesson 4 Text</p> <p>Activity - Chapter 2 Activity (Body Text Experiments)</p> <p>Narrative - Chapter 14, All Lessons and Activities (Mid-Term Project)</p> <p>Narrative - Chapter 16, Lesson 5 Text</p> <p>Activity - Chapter 16, Activity 2 (Komodo Edit Projects)</p>
(6.D) create web pages using current web standards and web development skills such as version control, documentation, web application security, validation, accessibility, and compatibility across multiple browsers and devices	(ii) create web pages using web development skills	<p>Narrative - Chapter 2, Lesson 4 Text</p> <p>Activity - Chapter 2 Activity (Body Text Experiments)</p> <p>Narrative - Chapter 14, All Lessons and Activities (Mid-Term Project)</p> <p>Narrative - Chapter 16, Lesson 5 Text</p> <p>Activity - Chapter 16, Activity 2 (Komodo Edit Projects)</p>
(6.E) demonstrate proper use of folder structure hierarchy	(i) demonstrate proper use of folder structure hierarchy	<p>Narrative - Chapter 2, Lesson 1 Text</p> <p>Activity - Chapter 2, Lesson 1 Text (Work-With-Me: Creating Root Directory)</p> <p>Narrative - Chapter 6, Lesson 5 Text</p> <p>Narrative - Chapter 25, Lesson 4 Text</p> <p>Activity - Chapter 25 Activity (Cuttlefish script)</p>
(6.F) use web coding standards to evaluate the design and functionality of web pages such as the World Wide Web Consortium (W3C) guidelines	(i) use web coding standards to evaluate the design of web pages	<p>Narrative - Chapter 13, Lesson 2 Text</p> <p>Activity - Chapter 13, Lesson 2 Quiz</p> <p>Narrative - Chapter 17, Lesson 3 Text</p> <p>Activity - Chapter 17, Lesson 3 Quiz</p> <p>Activity - Chapter 17, Activity 1 (Analyze Websites for HTML5)</p>

<p>(6.F) use web coding standards to evaluate the design and functionality of web pages such as the World Wide Web Consortium (W3C) guidelines</p>	<p>(ii) use web coding standards to evaluate the functionality of web pages</p>	<p>Narrative - Chapter 13, Lesson 2 Text Activity - Chapter 13, Lesson 2 Quiz Narrative - Chapter 17, Lesson 3 Text Activity - Chapter 17, Lesson 3 Quiz Activity - Chapter 17, Activity 1 (Analyze Websites for HTML5)</p>
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Knowledge and Skills Statement: (7) The student demonstrates and employs knowledge of Internet programming strategies to develop and maintain web applications. The student is expected to:

Student Expectation	Breakout	Citation
<p>(7.A) explain the importance of Internet programming standards</p>	<p>(i) explain the importance of Internet programming standards</p>	<p>Narrative - Chapter 1, Lesson 2 Text Activity - Chapter 1, Lesson 2 Quiz Narrative - Chapter 16, Lesson 3 Text Activity - Chapter 16, Lesson 3 Quiz Narrative - Chapter 25, Lesson 1 Text</p>
<p>(7.B) differentiate among various web coding standards such as HyperText Markup Language, and cascading style sheets</p>	<p>(i) differentiate among various web coding standards</p>	<p>Narrative - Chapter 25, Lesson 1 Text Activity - Chapter 25, Lesson 1 Quiz Narrative - Chapter 25, Lesson 4 Text Activity - Chapter 25, Lesson 4 Quiz</p>
<p>(7.C) use standard applications to develop web applications such as text-based editing programs, word processors, and web authoring software</p>	<p>(i) use standard applications to develop web applications</p>	<p>Narrative - Chapter 11, Lesson 1 Text Activity - Chapter 11, Activity 1 (Cropping and Resizing) Narrative - Chapter 16, Lesson 5 Text Activity - Chapter 16, Lesson 5 Quiz Activity - Chapter 16, Activity 2 (Komodo Edit Projects)</p>

(7.D) compare and contrast the impact of different browsers on web development	(i) compare and contrast the impact of different browsers on web development	<p>Narrative - Chapter 17, Lesson 1 Text</p> <p>Activity - Chapter 17, Lesson 1 Text (Work with Me: Verify Your Web Browser)</p> <p>Narrative - Chapter 20, Lesson 1 Text</p> <p>Activity - Chapter 20, Lesson 1 Text (Work with Me: Check Your Browser CSS3 Compatibility)</p> <p>Activity - Chapter 20, Lesson 1 Quiz</p>
(7.E) explain client-server applications and describe the process of a client-server transaction	(i) explain client-server applications	<p>Narrative - Chapter 13, Lesson 3 Text</p> <p>Activity - Chapter 13, Lesson 3 Quiz</p>
(7.E) explain client-server applications and describe the process of a client-server transaction	(ii) describe the process of a client-server transaction	<p>Narrative - Chapter 13, Lesson 3 Text</p> <p>Activity - Chapter 13, Lesson 3 Quiz</p>
(7.F) identify the advantages and disadvantages of client-side processing	(i) identify the advantages of client-side processing	<p>Narrative - Chapter 13, Lesson 3 Text</p> <p>Activity - Chapter 13, Lesson 3 Quiz</p>
(7.F) identify the advantages and disadvantages of client-side processing	(ii) identify the disadvantages of client-side processing	<p>Narrative - Chapter 13, Lesson 3 Text</p> <p>Activity - Chapter 13, Lesson 3 Quiz</p>
(7.G) identify security issues related to client-side processing	(i) identify security issues related to client-side processing	<p>Narrative - Chapter 13, Lesson 3 Text</p> <p>Activity - Chapter 13, Lesson 3 Quiz</p>
(7.H) use standard scripting languages to produce interactive web applications	(i) use standard scripting languages to produce interactive web applications	<p>Narrative - Chapter 25, Chapter 26, Chapter 27 (All Lessons)</p> <p>Activity - Chapter 25, Chapter 26, Chapter 27 (All Activities)</p>
(7.I) identify characteristics of various scripting languages	(i) identify characteristics of various scripting languages	<p>Narrative - Chapter 25, Lesson 1 Text</p> <p>Activity - Chapter 25, Lesson 1 Quiz</p> <p>Activity - Chapter 25 Activity (Cuttlefish scripting)</p>

(7.J) explain the process to construct secure transaction interfaces from the web server to the customer	(i) explain the process to construct secure transaction interfaces from the web server to the customer	Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz
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Knowledge and Skills Statement: (8) The student employs knowledge of web administration to develop and maintain web applications. The student is expected to:

Student Expectation	Breakout	Citation
(8.A) compare the advantages and disadvantages of running a personal server versus using a server provider	(i) compare the advantages and disadvantages of running a personal server versus using a server provider	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(8.B) explain the Transmission Control Protocol/Internet Protocol	(i) explain the Transmission Control Protocol/Internet Protocol	Narrative - Chapter 15, Lesson 2 Text Activity - Chapter 15, Lesson 2 Quiz
(8.C) identify hardware and software requirements for web servers	(i) identify hardware requirements for web servers	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(8.C) identify hardware and software requirements for web servers	(ii) identify software requirements for web servers	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(8.D) evaluate server providers	(i) evaluate server providers	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(8.E) describe the process of establishing a domain name	(i) describe the process of establishing a domain name	Narrative - Supplemental Lesson 2 Text Activity - Supplemental Lesson 2 Quiz

(8.F) simulate the administration of web servers, including uploading and managing files	(i) simulate the administration of web servers, including uploading files	Narrative - Chapter 15, Lesson 5 Text Activity - Chapter 15, Lesson 5 Quiz
(8.F) simulate the administration of web servers, including uploading and managing files	(ii) simulate the administration of web servers, including managing files	Narrative - Chapter 15, Lesson 5 Text Activity - Chapter 15, Lesson 5 Quiz
(8.G) collect and analyze usage statistics	(i) collect usage statistics	Narrative - Supplemental Lesson 9 Text Activity - Supplemental Lesson 9 Quiz
(8.G) collect and analyze usage statistics	(ii) analyze usage statistics	Narrative - Supplemental Lesson 9 Text Activity - Supplemental Lesson 9 Quiz
(8.H) maintain documentation of the server environment such as specifications, passwords, and software versions	(i) maintain documentation of the server environment	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Text (Work-With-Me: Server Documentation) Activity - Supplemental Lesson 1 Quiz
(8.I) summarize the process of server backup and restoration of software features	(i) summarize the process of server backup of software features	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz
(8.I) summarize the process of server backup and restoration of software features	(ii) summarize the restoration of software features	Narrative - Supplemental Lesson 1 Text Activity - Supplemental Lesson 1 Quiz

(8.J) propose security measures to protect web servers from electronic threats such as unauthorized access and negative intentions	(i) propose security measures to protect web servers from electronic threats	Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz
(8.K) evaluate security measures such as using a firewall, Secure Socket Layer (SSL) connections, and Hypertext Transfer Protocol Secure (HTTPS) transactions	(i) evaluate security measures	Narrative - Chapter 16, Lesson 2 Text Activity - Chapter 16, Lesson 2 Quiz

Knowledge and Skills Statement: (9) The student evaluates a problem and creates a project management plan of action for meeting client requirements. The student is expected to:

Student Expectation	Breakout	Citation
(9.A) communicate with clients to analyze requirements to meet the needs of the client and target audience	(i) communicate with clients to analyze requirements to meet the needs of the client	Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)
(9.A) communicate with clients to analyze requirements to meet the needs of the client and target audience	(ii) communicate with clients to analyze requirements to meet the needs of the target audience	Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)
(9.B) document design properties, necessary tools, and resources, and identify and address risks	(i) document design properties	Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)

<p>(9.B) document design properties, necessary tools, and resources, and identify and address risks</p>	<p>(ii) document necessary tools</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(9.B) document design properties, necessary tools, and resources, and identify and address risks</p>	<p>(iii) document resources</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(9.B) document design properties, necessary tools, and resources, and identify and address risks</p>	<p>(iv) identify risks</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(9.B) document design properties, necessary tools, and resources, and identify and address risks</p>	<p>(v) address risks</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(9.C) develop and use a timeline task list such as critical milestones, potential challenges, and interdependencies</p>	<p>(i) develop a timeline task list</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(9.C) develop and use a timeline task list such as critical milestones, potential challenges, and interdependencies</p>	<p>(ii) use a timeline task list</p>	<p>Narrative - Chapter 14, Lesson 1 Text Activity - Chapter 14, Activity 1 (Finalize Site Map and Storyboard) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>

(9.D) use various methods to evaluate the progress of the plan and modify as necessary	(i) use various methods to evaluate the progress of the plan	<p>Narrative - Chapter 14, Lesson 2 Text</p> <p>Activity - Chapter 14, Activity 2 (Build Your Website)</p> <p>Narrative - Supplemental Lesson 4 Text</p> <p>Activity - Supplemental Activity 4 (Your Client Docs)</p>
(9.D) use various methods to evaluate the progress of the plan and modify as necessary	(ii) modify [the plan] as necessary	<p>Narrative - Chapter 14, Lesson 2 Text</p> <p>Activity - Chapter 14, Activity 2 (Build Your Website)</p> <p>Narrative - Supplemental Lesson 4 Text</p> <p>Activity - Supplemental Activity 4 (Your Client Docs)</p>

Knowledge and Skills Statement: (10) The student creates and implements a web product using a project management plan. The student is expected to:

Student Expectation	Breakout	Citation
(10.A) create and simulate the publication of a multipage web product using client required content and web design concepts	(i) create the publication of a multipage web product using client required content	<p>Narrative - Chapter 14, Lesson 3 Text</p> <p>Activity - Chapter 14, Activity 3 (Evaluation and Feedback)</p> <p>Narrative - Supplemental Lesson 4 Text</p> <p>Activity - Supplemental Activity 4 (Your Client Docs)</p>
(10.A) create and simulate the publication of a multipage web product using client required content and web design concepts	(ii) create the publication of a multipage web product using web design concepts	<p>Narrative - Chapter 14, Lesson 3 Text</p> <p>Activity - Chapter 14, Activity 3 (Evaluation and Feedback)</p> <p>Narrative - Supplemental Lesson 4 Text</p> <p>Activity - Supplemental Activity 4 (Your Client Docs)</p>
(10.A) create and simulate the publication of a multipage web product using client required content and web design concepts	(iii) simulate the publication of a multipage web product using client required content	<p>Narrative - Chapter 14, Lesson 3 Text</p> <p>Activity - Chapter 14, Activity 3 (Evaluation and Feedback)</p> <p>Narrative - Supplemental Lesson 4 Text</p> <p>Activity - Supplemental Activity 4 (Your Client Docs)</p>

<p>(10.A) create and simulate the publication of a multipage web product using client required content and web design concepts</p>	<p>(iv) simulate the publication of a multipage web product using web design concepts</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(10.B) develop a test plan for a multipage web product for testing usability, effectiveness, reliability, and customer acceptance</p>	<p>(i) develop a test plan for a multipage web product for testing usability</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(10.B) develop a test plan for a multipage web product for testing usability, effectiveness, reliability, and customer acceptance</p>	<p>(ii) develop a test plan for a multipage web product for testing effectiveness</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(10.B) develop a test plan for a multipage web product for testing usability, effectiveness, reliability, and customer acceptance</p>	<p>(iii) develop a test plan for a multipage web product for testing reliability</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(10.B) develop a test plan for a multipage web product for testing usability, effectiveness, reliability, and customer acceptance</p>	<p>(iv) develop a test plan for a multipage web product for testing customer acceptance</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(10.C) explain the quality assurance process</p>	<p>(i) explain the quality assurance process</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>

<p>(10.D) develop and implement a quality assurance plan</p>	<p>(i) develop a quality assurance plan</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>
<p>(10.D) develop and implement a quality assurance plan</p>	<p>(ii) implement a quality assurance plan</p>	<p>Narrative - Chapter 14, Lesson 3 Text Activity - Chapter 14, Activity 3 (Evaluation and Feedback) Narrative - Supplemental Lesson 4 Text Activity - Supplemental Activity 4 (Your Client Docs)</p>