

Subject		§126. Technology Applications		
Course Title		§126.46. Web Communications (One-Half Credit), Beginning with School Year 2012-2013		
TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(a) General Requirements. Students shall be awarded one-half credit for successful completion of this course. This course is recommended for students in Grade 9.				
(b) Introduction.				
<p>(1) The technology applications curriculum has six strands based on the National Educational Technology Standards for Students (NETS•S) and performance indicators developed by the International Society for Technology in Education (ISTE): creativity and innovation; communication and collaboration; research and information fluency; critical thinking, problem solving, and decision making; digital citizenship; and technology operations and concepts. This is an exploratory course in web communications.</p> <p>(2) Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.</p>				
(c) Knowledge and Skills.				
(1) Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology. The student is expected to:	(A) demonstrate proficiency in the use of local and online collaboration	(i) demonstrate proficiency in the use of local collaboration		
(1) Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology. The student is expected to:	(A) demonstrate proficiency in the use of local and online collaboration	(ii) demonstrate proficiency in the use of online collaboration		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology. The student is expected to:	(B) create websites using web editors or web authoring programs			
(1) Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology. The student is expected to:	(C) evaluate the accessibility and usability of original websites	(i) evaluate the accessibility of original websites		
(1) Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology. The student is expected to:	(C) evaluate the accessibility and usability of original websites	(ii) evaluate usability of original websites		

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(1) Creativity and innovation. The student demonstrates creative thinking, constructs knowledge, and develops innovative products and processes using technology. The student is expected to:	(D) conceptualize possible technologies based on current technical trends			
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(A) analyze and implement the proper and acceptable use of digital/virtual communications technologies such as instant messaging (IM), chat, email, and social networking	(i) analyze the proper use of digital/virtual communications technologies		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(A) analyze and implement the proper and acceptable use of digital/virtual communications technologies such as instant messaging (IM), chat, email, and social networking	(ii) analyze the acceptable use of digital/virtual communications technologies		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(A) analyze and implement the proper and acceptable use of digital/virtual communications technologies such as instant messaging (IM), chat, email, and social networking	(iii) implement the proper use of digital/virtual communications technologies		

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(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(A) analyze and implement the proper and acceptable use of digital/virtual communications technologies such as instant messaging (IM), chat, email, and social networking	(iv) implement the acceptable use of digital/virtual communications technologies		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(i) define the acquisition of files taking into consideration their primary ownership		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(ii) define the sharing of files taking into consideration their primary ownership		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(iii) define the use of files taking into consideration their primary ownership		

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(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(iv) define the acquisition of files taking into consideration their copyright		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(v) define the sharing of files taking into consideration their copyright		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(vi) define the use of files taking into consideration their copyright		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(vii) implement the acquisition of files taking into consideration their primary ownership		

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(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(viii) implement the sharing of files taking into consideration their primary ownership		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(ix) implement the use of files taking into consideration their primary ownership		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(x) implement the acquisition of files taking into consideration their copyright		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(xi) implement the sharing of files taking into consideration their copyright		

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(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(B) define and implement the acquisition, sharing, and use of files taking into consideration their primary ownership and copyright	(xii) implement the use of files taking into consideration their copyright		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(i) apply decisions regarding the selection of uniform resource locators (URLs) used in research, taking into consideration their quality		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(ii) apply decisions regarding the selection of uniform resource locators (URLs) used in research, taking into consideration their appropriateness		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(iii) apply decisions regarding the selection of uniform resource locators (URLs) used in research, taking into consideration their effectiveness		

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(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(iv) apply decisions regarding the acquisition of uniform resource locators (URLs) used in research, taking into consideration their quality		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(v) apply decisions regarding the acquisition of uniform resource locators (URLs) used in research, taking into consideration their appropriateness		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(vi) apply decisions regarding the acquisition of uniform resource locators (URLs) used in research, taking into consideration their effectiveness		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(vii) apply decisions regarding the sharing of uniform resource locators (URLs) used in research, taking into consideration their quality		

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(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(viii) apply decisions regarding the sharing of uniform resource locators (URLs) used in research, taking into consideration their appropriateness		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(C) apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness	(ix) apply decisions regarding the sharing of uniform resource locators (URLs) used in research, taking into consideration their effectiveness		
(2) Communication and collaboration. The student uses digital technology to work collaboratively toward his or her own learning and the learning of others. The student is expected to:	(D) solve problems using critical-thinking strategies			
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(A) verify the accuracy, validity, and currency of acquired information	(i) verify the accuracy of acquired information		

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(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(A) verify the accuracy, validity, and currency of acquired information	(ii) verify the validity of acquired information		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(A) verify the accuracy, validity, and currency of acquired information	(iii) verify the currency of acquired information		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(B) conduct effective searches using Boolean operators			
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(C) acquire and use appropriate vocabulary terms	(i) acquire appropriate vocabulary terms		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(C) acquire and use appropriate vocabulary terms	(ii) use appropriate vocabulary terms		

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(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(D) cite sources appropriately using established methods			
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(E) model ethical and legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism and copyright laws	(i) model ethical acquisition of digital information following guidelines in the student code of conduct, including plagiarism		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(E) model ethical and legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism and copyright laws	(ii) model legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(E) model ethical and legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism and copyright laws	(iii) model ethical acquisition of digital information following guidelines in the student code of conduct, including copyright laws		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(E) model ethical and legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism and copyright laws	(iv) model legal acquisition of digital information following guidelines in the student code of conduct, including copyright laws		

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(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(F) identify and discuss emerging technologies and their impact	(i) identify emerging technologies		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(F) identify and discuss emerging technologies and their impact	(ii) discuss emerging technologies		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(F) identify and discuss emerging technologies and their impact	(iii) identify [emerging technologies] impact		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(F) identify and discuss emerging technologies and their impact	(iv) discuss [emerging technologies] impact		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(G) understand Internet history and structure and how they impact current use	(i) understand Internet history		

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(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(G) understand Internet history and structure and how they impact current use	(ii) understand Internet structure		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(G) understand Internet history and structure and how they impact current use	(iii) understand how [Internet history] impact current use		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(G) understand Internet history and structure and how they impact current use	(iv) understand how [Internet structure] impact current use		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(H) demonstrate appropriate use of grammar, spelling, and vocabulary when creating original work	(i) demonstrate appropriate use of grammar when creating original work		
(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(H) demonstrate appropriate use of grammar, spelling, and vocabulary when creating original work	(ii) demonstrate appropriate use of spelling when creating original work		

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(3) Research and information fluency. The student applies digital tools to gather, evaluate, and use information. The student is expected to:	(H) demonstrate appropriate use of grammar, spelling, and vocabulary when creating original work	(iii) demonstrate appropriate use of vocabulary when creating original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(A) demonstrate the transfer and adaptation of knowledge through the creation of original work	(i) demonstrate the transfer of knowledge through the creation of original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(A) demonstrate the transfer and adaptation of knowledge through the creation of original work	(ii) demonstrate the adaptation of knowledge through the creation of original work		

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(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(B) evaluate and implement security measures such as firewalls and Hypertext Transfer Protocol Secure (HTTPS) to protect original work	(i) evaluate security measures to protect original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(B) evaluate and implement security measures such as firewalls and Hypertext Transfer Protocol Secure (HTTPS) to protect original work	(ii) implement security measures to protect original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(C) analyze and follow timelines needed to create, edit, and present original work	(i) analyze timelines needed to create original work		

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(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(C) analyze and follow timelines needed to create, edit, and present original work	(ii) analyze timelines needed to edit original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(C) analyze and follow timelines needed to create, edit, and present original work	(iii) analyze timelines needed to present original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(C) analyze and follow timelines needed to create, edit, and present original work	(iv) follow timelines needed to create original work		

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(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(C) analyze and follow timelines needed to create, edit, and present original work	(v) follow timelines needed to edit original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(C) analyze and follow timelines needed to create, edit, and present original work	(vi) follow timelines needed to present original work		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(D) verify current licensing issues for software being used for the creation of original work			

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(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(E) identify and evaluate the design and functionality of web pages using rubrics	(i) identify the design of web pages using rubrics		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(E) identify and evaluate the design and functionality of web pages using rubrics	(ii) identify the functionality of web pages using rubrics		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(E) identify and evaluate the design and functionality of web pages using rubrics	(iii) evaluate the design of web pages using rubrics		

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(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(E) identify and evaluate the design and functionality of web pages using rubrics	(iv) evaluate the functionality of web pages using rubrics		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(F) optimize web information for fast download such as dial-up and high speed Internet and mobile devices	(i) optimize web information for fast download		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(G) evaluate original work through self-, peer, and professional review of websites	(i) evaluate original work through self-review of websites		

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(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(G) evaluate original work through self-, peer, and professional review of websites	(ii) evaluate original work through peer review of websites		
(4) Critical thinking, problem solving, and decision making. The student uses critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. The student is expected to:	(G) evaluate original work through self-, peer, and professional review of websites	(iii) evaluate original work through professional review of websites		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(i) engage in online activities that follow appropriate behavioral guidelines, including ethics		

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(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(ii) engage in online activities that follow appropriate behavioral guidelines, including personal security		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(iii) engage in online activities that follow appropriate behavioral guidelines, including verbiage determined by intended audience		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(iv) engage in online activities that follow appropriate communication guidelines, including ethics		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(v) engage in online activities that follow appropriate communication guidelines, including personal security		

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(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(vii) engage in online activities that follow appropriate privacy guidelines, including ethics		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(viii) engage in online activities that follow appropriate privacy guidelines, including personal security		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(A) engage in online activities that follow appropriate behavioral, communication, and privacy guidelines, including ethics, personal security, and verbiage determined by intended audience	(ix) engage in online activities that follow appropriate privacy guidelines, including verbiage determined by intended audience		

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(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(B) understand the negative impact of inappropriate technology use, including online bullying and harassment	(i) understand the negative impact of inappropriate technology use, including online bullying		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(B) understand the negative impact of inappropriate technology use, including online bullying and harassment	(ii) understand the negative impact of inappropriate technology use, including online harassment		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(C) implement online security guidelines, including identity protection, limited personal information sharing, and password protection of a secure website	(i) implement online security guidelines, including identity protection of a secure website		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(C) implement online security guidelines, including identity protection, limited personal information sharing, and password protection of a secure website	(ii) implement online security guidelines, including limited personal information sharing of a secure website		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(C) implement online security guidelines, including identity protection, limited personal information sharing, and password protection of a secure website	(iii) implement online security guidelines, including password protection of a secure website		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(i) advocate safe use of information		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(ii) advocate legal use of information		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(iii) advocate responsible use of information		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(iv) practice safe use of information		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(v) practice legal use of information		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(vi) practice responsible use of information		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(vii) advocate safe use of technology		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(viii) advocate legal use of technology		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(ix) advocate responsible use of technology		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(x) practice safe use of technology		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(xi) practice legal use of technology		
(5) Digital citizenship. The student understands human, cultural, and societal issues related to technology and practices legal and ethical behavior. The student is expected to:	(D) advocate and practice safe, legal, and responsible use of information and technology	(xii) practice responsible use of technology		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(A) demonstrate knowledge of hardware such as scanners, cameras, printers, video cameras, and external hard drives	(i) demonstrate knowledge of hardware		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(B) identify the parts of a computer and explain their functions	(i) identify the parts of a computer		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(B) identify the parts of a computer and explain their functions	(ii) explain [parts of a computer] functions		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(C) summarize the need, functionality, and use of servers	(i) summarize the need of servers		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(C) summarize the need, functionality, and use of servers	(ii) summarize the functionality of servers		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(C) summarize the need, functionality, and use of servers	(iii) summarize the use of servers		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(D) identify the advantages and disadvantages of running a personal web server versus using a web server provider	(i) identify the advantages of running a personal web server versus using a web server provider		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(D) identify the advantages and disadvantages of running a personal web server versus using a web server provider	(ii) identify the disadvantages of running a personal web server versus using a web server provider		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(i) differentiate various input devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(ii) differentiate various processing devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(iii) differentiate various output devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(iv) differentiate various primary/secondary storage devices		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(v) appropriately use various input devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(vi) appropriately use various processing devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(vii) appropriately use various output devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(E) differentiate and appropriately use various input, processing, output, and primary/secondary storage devices	(viii) appropriately use various primary/secondary storage devices		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(F) create and implement universally accessible documents	(i) create universally accessible documents		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(F) create and implement universally accessible documents	(ii) implement universally accessible documents		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(G) analyze bandwidth issues as they relate to audience, servers, connectivity, and cost	(i) analyze bandwidth issues as they relate to audience		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(G) analyze bandwidth issues as they relate to audience, servers, connectivity, and cost	(ii) analyze bandwidth issues as they relate to servers		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(G) analyze bandwidth issues as they relate to audience, servers, connectivity, and cost	(iii) analyze bandwidth issues as they relate to connectivity		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(G) analyze bandwidth issues as they relate to audience, servers, connectivity, and cost	(iv) analyze bandwidth issues as they relate to cost		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(H) establish a folder/directory hierarchy for storage of a web page and its related or linked files	(i) establish a folder/directory hierarchy for storage of a web page		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(H) establish a folder/directory hierarchy for storage of a web page and its related or linked files	(ii) establish a folder/directory hierarchy for storage of its [web page] related or linked files		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(I) follow file and folder naming conventions, including spacing, special characters, and capitalization	(i) follow file naming conventions, including spacing		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(I) follow file and folder naming conventions, including spacing, special characters, and capitalization	(ii) follow file naming conventions, including special characters		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(I) follow file and folder naming conventions, including spacing, special characters, and capitalization	(iii) follow file naming conventions, including capitalization		

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TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(I) follow file and folder naming conventions, including spacing, special characters, and capitalization	(iv) follow folder naming conventions, including spacing		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(I) follow file and folder naming conventions, including spacing, special characters, and capitalization	(v) follow folder naming conventions, including special characters		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(I) follow file and folder naming conventions, including spacing, special characters, and capitalization	(vi) follow folder naming conventions, including capitalization		
(6) Technology operations and concepts. The student demonstrates a sound understanding of technology concepts, systems, and operations. The student is expected to:	(J) identify basic design principles when creating a website			