Nebraska CTE

Foundations of Web Design

Explain and apply appropriate web design language and terminology. CIS.HS.9.1	**a** Describe the principles and goals of website design. CIS.HS.9.1A
	b Describe the principles and goals of responsive design. CIS.HS.9.1B
	c Describe binary code. CIS.HS.9.1C
	d Define common industry terminology. CIS.HS.9.1D
Plan a website and/or app for a specific purpose. CIS.HS.9.2	**a** Develop a storyboard, mock-up, and wireframes for a website and/or app. CIS.HS.9.2A
	b Explain the design process in regards to audience, layout, time, and budget. CIS.HS.9.2B
	c Identify the target market audience's needs. CIS.HS.9.2C
	d Evaluate clients' needs based on current trends. CIS.HS.9.2D
	e Plan for responsive design. CIS.HS.9.2E
Analyze elements and principles of design to communicate ideas consistent with project goals. CIS.HS.9.3	**a** Apply appropriate font and font family concepts. CIS.HS.9.3A
	b Demonstrate knowledge of design decisions in regards to shapes, lines, colors. CIS.HS.9.3B
	c Demonstrate knowledge of design decisions in regards to white space, margins, and layout of graphic and text. CIS.HS.9.3C
	d Incorporate text layout techniques such as kerning, leading, and alignment. CIS.HS.9.D
	e Incorporate audio, visual, and graphic elements CIS.HS.9.E
	f Develop a focused concept, clear methods of conveyance, and unified theme that solves the given problem. CIS.HS.9.F
	g Identify accessibility and standard compliance measures in order to communicate with a broad audience. CIS.HS.9.3G
	h Explain design decisions in regards to themes. CIS.HS.9.3H

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	i Evaluate the impact of design decisions on the theme of a design. CIS.HS.9.3I
	j Explain design and project goals using a storyboard, mock-up, and wireframes. CIS.HS.9.3J
Analyze legal and ethical responsibilities. CIS.HS.9.4	a Apply copyright laws as appropriate in website and app creation CIS.HS.9.4A
	b Discuss security issues that are related to the utilization of the computer and/or Internet. CIS.HS.9.4B
	c Describe situations where web pages and/or apps may be used unethically. CIS.HS.9.4C
	d Describe licensing agreements. CIS.HS.9.4D
	e Discuss the importance of creative commons. CIS.HS.9.4E
Create and test websites and/or apps designed for cross browser and mobile compatibility. CIS.HS.9.5	a Utilize standards-compliant elements in code that delivers essential content and functionality if older browsers are not capable of displaying content. CIS.HS.9.5
	b Create websites and/or apps that utilize responsive design to allow for a variety of screen sizes and geometries to view the content in a meaningful and logical fashion. CIS.HS.9.5B
	c Test an application on devices of varying geometries and operating system versions to ensure maximum compatibility. CIS.HS.9.5C
Implement quality assurance processes to deliver effective digital communication. CIS.HS.9.6	a Evaluate the website and/or app functionality. CIS.HS.9.6A
	b Test a website and/or app in a variety of environments. CIS.HS.9.6B
	c Evaluate site effectiveness through user search and accessibility to meet all audience needs. CIS.HS.9.6C
	d Investigate web hosts. CIS.HS.9.6D
	e Troubleshoot and maintain a website and/or app. CIS.HS.9.6E
	f Evaluate cross-browser compatibility. CIS.HS.9.6F
	g Identify the process of securing a domain name. CIS.HS.9.6G
Critique a website and/or app in accordance with web design pri	a Assess download time. CIS.HS.9.7A
	b Assess readability of the website and/or app. CIS.HS.9.7B
	.ssess ease of navigation for both website and/or app. CIS.HS.9.7C

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	d Assess the design theme of a website and/or app. CIS.HS.9.7D
	e Assess consistency of the theme across the entire website and/or app. CIS.HS.9.7E
	f Assess the functionality of links. CIS.HS.9.7F
Identify opportunities in an information technology career field including but not limited to entrepreneurial opportunities, responsibilities, education, and certification. CIS.HS.9.8	**a** Identify information technologies used in various industries. CIS.HS.9.8A
	b Discuss the impact of technology on all career fields. CIS.HS.9.8B
	c Identify common tasks in career fields. CIS.HS.9.8C
	d Discuss career opportunities in information technology career fields. CIS.HS.9.8D
	e Describe the impact of technological change and the importance of lifelong learning in this career field. CIS.HS.9.8E