South Dakota CTE

Web Development (2021)

Identify basic principles of how the Internet is constructed, how it functions and how it is used. WD 1	1 **Identify the infrastructure required to access the Internet.** WD 1.1
	2 **Summarize Internet development and functions.** WD 1.2
	3 **Recognize the purpose of domains.** WD 1.3
	4 **Define the function of a Domain Name Server (DNS).** WD 1.4
	5 **Define important Internet communications protocols and their roles in delivering basic Internet services.** WD 1.5
	6 **Demonstrate knowledge of standard copyright rules.** WD 1.6
	7 **Explain the use and purpose of acceptable use policy (AUP).** WD 1.7
Demonstrate creation of web pages. WD 2	1 **Demonstrate knowledge required to create a web page.** WD 2.1
	2 **Demonstrate appropriate file structure and naming.** WD 2.2
	3 **Create web pages with appropriate HTML structure and standards that can be validated using World Wide Web Consortium validator (W3C).** WD 2.3
	4 **Demonstrate the use of elements and attributes.** WD 2.4
	5 **Incorporate meta tags for page documentation and search engine optimization (SEO).** WD 2.5
Format web pages using Cascading Style Sheets (CSS). WD 3	1 **Apply essential aspects of the CSS.** WD 3.1
	2 **Apply CSS to a website.** WD 3.2
	3 **Use basic selectors in a CSS.** WD 3.3
Plan, design, implement, and maintain website(s). WD 4	1 **Analyze project requirements.** WD 4.1
	2 **Plan site design and page layout.** WD 4.2
	3 **Create basic content for website.** WD 4.3
	dit and revise a site. WD 4.4

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Explore careers in Web Development. WD 5

1. **Explore Information Technology (IT) Web Development careers.** WD 5.1
2. **Demonstrate job skills for programming industries.** WD 5.2