

ND BUSINESS EDUCATION FRAMEWORKS

Web Design

Course Code	Course Name/Course Description	Grade Levels	High School Credit Options
14022	<p>Web Design: Students will be introduced to a variety of ways to create and maintain web pages. Course topics will focus on overall production processes with an emphasis on design elements involving layout, navigation, and interactivity. Understanding of proper ethics, copyright laws, social networking, and cyber security topics will be integrated. The basic language of web design and software will be taught along with the additional media inputs within a website (e.g. video, animation, sound, scrolling marquees, forms, contacts, and other additional components).</p> <p>Prerequisite: Keyboarding or equivalent skill</p>	9-12	1/2 or 1
Topic	Performance Expectations		
Ethics/Etiquette and Copyright Law	<ul style="list-style-type: none"> • Describe how each type of intellectual property is created and legally protected (2.5c.1.2) • Explain copyright infringement and the fair use doctrine (2.5c.1.6) • Identify ethical and legal issues regarding the use of digital information (4.1d.1.26) • Discuss copyright rules, creative commons, and regulations (e.g., images, music, video, software) (7.2.1.6) • Explain plagiarism and its consequences (7.2.1.7) • Demonstrate appropriate etiquette when using information technologies (7.3.1.12) 		
Cyber Security	<ul style="list-style-type: none"> • Identify and explore basic privacy issues associated with technology (7.3.1.1) • Explore the risks and dangers of sharing personal information in a digital world (e.g., digital footprint cyberbullying) (7.3.1.2) • Discuss basic issues related to responsible use of technology and describe personal or legal consequences of inappropriate use (7.3.1.6) 		
File Management	<ul style="list-style-type: none"> • Manage files and folders (7.5.1.2) • Develop organization policy for website content and access (7.9.1.25) 		
Designing and Publishing Web Pages	<ul style="list-style-type: none"> • Cite information sources appropriately (7.2.1.4) • Compare and contrast various storage devices (e.g., local, removable, remote, cloud) (7.4.1.11) • Identify and utilize various types of resources for web development (7.9.1.1) • Identify and apply appropriate design concepts (7.9.1.2) • Design and create websites incorporating digital media (7.9.1.4) • Create content that is readable, accessible, searchable, and stick (7.9.1.7) • Assess website content in terms of organization policies and federal and state laws (7.9.1.10) • Compare and contrast the features of web development applications (7.9.1.12) • Use digital media optimized for website integration (7.9.1.13) 		

	<ul style="list-style-type: none">• Design, develop, and deliver advanced web content and applications using authoring tools (7.9.1.15)• Create a comprehensive website using industry design standards (7.9.1.17)• Test, implement, and evaluate the website (7.9.1.18)• Plan, set up, and configure a web server (7.9.1.20)
E-commerce	<ul style="list-style-type: none">• Design e-commerce solutions (7.9.1.21)• Evaluate an e-business website (9.8c.1.5)