

Moon Area School District Curriculum Map

Course: Web Page Design
Grade Level: 9-12
Content Area: Business/Computer
Frequency: One-Semester

Big Ideas

1. Follow the web site development process to create effective multi-page web sites with various content and features.

Essential Questions

2. Why is it important to understand computer, Internet, and network basics before designing a web page?
3. Why is it essential to understand the social, ethical, and legal policies of the Web?
4. How can students evaluate the difference between a well-constructed web site and a poorly constructed web site?
5. What are various career options in web design?
6. What are some of the various web design programming languages and applications?
7. What is Adobe Dreamweaver Creative Cloud?
8. What is the advantage of using a webpage authoring program such as Dreamweaver?
9. Why is it important to be able to identify and explain each component of the Dreamweaver Design screen?
10. What is HTML?
11. What the purpose of Cascading Style Sheets (CSS)?
12. What is website hosting?
13. What are some of the various user-friendly web site hosting applications/websites?
14. What is the difference between designing a website using a website hosting site or creating a website from scratch?
15. What are the essential elements of a web page?
16. Why is it important to follow layout and content formatting guidelines and what are they?
17. What are the different types of web sites?
18. What is the web site development process?
19. How do you test, publish, and maintain a website?
20. How will learning the skill of website design be beneficial?

Primary Resource(s) & Technology:

Textbook: Shelly Cashman *Adobe Dreamweaver Comprehensive*

Materials: Shelly Cashman *Adobe Dreamweaver Creative Cloud*, W3Schools Tutorials (www.w3schools.com), Glencoe *Introduction to Web Design* Textbook, Adobe Dreamweaver Creative Cloud Software, Web Resources, Microsoft Teams, Promethean Board, Student Desktops/Laptops

Pennsylvania and/or focus standards referenced at:

www.pdesas.org and www.education.pa.gov

Big Ideas/EQs	Focus Standard(s)	Assessed Competencies (Key content and skills)	Timeline
		Unit 1: Introduction to Website Development and Adobe Dreamweaver Creative Cloud	Approx.
2-8, 10, 12-14, 20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> • Types of websites • Web browsers and features • Internet, ISP, and data plans • How to plan a website for the target audience • Discuss responsive web site design for an optimal viewing experience • Discuss web site focal points and appropriate use of color, text, and images • Accessibility guidelines • Social networking within websites • Website hosting • Managing a web project • Recognize HTML and programming languages of the web • Advantages of using Dreamweaver • Careers in Website Design/Development • Assessment(s): Quiz and Supplemental Activities 	1.5 week
		Unit 2: Creating a Website with Dreamweaver	Approx.
1, 7-11, 15-20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> • Customize the Dreamweaver workspace • Navigate/locate Dreamweaver Design Screen Workspace Layout (features, windows, panels, and toolbars) • Follow the web site development process. • Follow layout and content formatting guidelines • Define a local site and create a root folder with subfolders • Create and format one and two-page sites with links • Proofread and save a website • Understand Cascading Style Sheets (CSS) • Assessment(s): Lab Project(s), Unit Project, and Supplemental Activities 	3 weeks

Big Ideas/EQs	Focus Standard(s)	Unit 3: Designing a Template for a Web site using CSS	Approx.
1, 3-4, 7-11, 15-20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> Anatomy of a Cascading Style Sheet Follow the development process to create, edit, and save a template in the root folder Create, format, and save a CSS style sheet Create and format a container with regions Create an editable region Create a page from the template and add content Preview and test the site Assessment(s): Lab Project(s), Unit Project, and Supplemental Activities 	3 weeks
Big Ideas/EQs	Focus Standard(s)	Unit 4: Enhancing a Web Site with Graphics and Links	Approx.
1, 3-4, 7-11, 15-20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> Modify a template and CSS rules/properties Ethical use of graphics and images Social Media presence on web sites Format Links: Email, Relative, and Absolute Add additional pages and content Add and format images Assessment: Lab Project(s), Unit Project, and Supplemental Activities 	3 weeks
Big Ideas/EQs	Focus Standard(s)	Unit 5: Enhancing a Web Site with Tables & Forms	Approx.
1, 3-4, 7-11, 15-20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> Insert and format tables on a web page Insert and format interactive forms on a web page Insert and format menus, radio groups, buttons, and other form objects. Assessment: Lab Project(s), Unit Project, and Supplemental Activities 	2 weeks
Big Ideas/EQs	Focus Standard(s)	Unit 6: Enhancing a Web Site with Audio and Video, Publishing a Web Site, & Web Hosting	Approx.
1, 3-4, 7-20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> Explore various audio and video file types Explore resources to obtain audio and video files Ethical use of audio and video Embed and format audio and video files in a web page Website publishing and maintenance process Explore various Web Hosting sites Assessment: Lab Project(s), Unit Project, use a Web Host to design and publish a web site (if time permits), and Supplemental Activities 	4 weeks

Big Ideas/EQs	Focus Standard(s)	Final Exam Project	Approx.
1-20	3.6.10.B 3.6.12.B 3.7.10.A 3.7.10.C 3.7.10.D 3.7.10.E 3.7.12.A 3.7.12.C 3.7.12.D 3.7.12.E	<ul style="list-style-type: none"> • Review and complete a cumulative final project • Present final project to class (if time permits) 	1.5 week