

<b>SUBJECT: Web Design</b>		<b>GRADE: 9-12</b>	
<b>Unit Title: The Internet, World Wide Web, and HTML</b>		<b>Time Frame: Days 1-25</b>	
<b>UNIT OVERVIEW</b>			
This unit explores the development of the Internet, WWW and students learn basic HTML to create webpages that share the knowledge they've gained about the internet and WWW.			
<b>LRG SKILLS AND DISPOSITIONS</b>		<b>PA STANDARDS</b>	
Critical Thinking and Problem Solving: Tables project (S4C)		3.4.10.A2 3.4.10.C1 3B.AP.10 3B.AP.19 3B.AP.24	
<b>COMPETENCIES</b>		<b>LEARNING TARGETS</b>	
I can code a program to express an idea or solve a problem		<ul style="list-style-type: none"> <li>● I can write the code to create an HTML page that will display on a browser.</li> <li>● I can create links using HTML.</li> <li>● I can create a table using HTML.</li> <li>● I can place images in an HTML document.</li> </ul>	

<b>SUBJECT: Web Design</b>		<b>GRADE: 9-12</b>	
<b>Unit Title: Formatting with CSS</b>		<b>Time Frame: Days 26 - 60</b>	
<b>UNIT OVERVIEW</b>			
This unit explores the use of CSS to enhance the looks of the web pages			
<b>LRG SKILLS AND DISPOSITIONS</b>		<b>PA STANDARDS</b>	
Creativity and Innovation: Lawn Care Site (S3C)		3.4.10.A2 3.4.10.C1	

	3A.CS.01 3A.CS.03 3A.DA.09
<b>COMPETENCIES</b>	<b>LEARNING TARGETS</b>
<b>I can code a program to express an idea or solve a problem.</b>	<ul style="list-style-type: none"> <li>● I can write CSS and utilize it to make a positive impact on the layout and design of my web pages.</li> <li>● I can write inline, internal, and external CSS.</li> <li>● I can use external CSS to affect multiple pages of a site at the same time.</li> <li>● I can create my own “selectors” in CSS and use them in my HTML</li> <li>● I can affectively use selectors, properties and values in my CSS.</li> <li>● I can create affects, such as hovers or slide shows with CSS.</li> <li>● I can create a web site of at least 5 pages that uses HTML and CSS to present a totally functional and attractive site.</li> </ul>

<b>SUBJECT: Web Design</b>		<b>GRADE: 9-12</b>	
<b>Unit Title: Dynamic Programming with JavaScript</b>		<b>Time Frame: Days 61-70</b>	
<b>UNIT OVERVIEW</b>			
This unit explores the use of JavaScript to enhance the looks of the web pages			
<b>LRG SKILLS AND DISPOSITIONS</b>		<b>PA STANDARDS</b>	
Critical Thinking and Problem Solving: Programming in JavaScript (S4C)		3.4.10.A2 3.4.10.C1 3.4.10.D2 3.4.10.D3 3A.AP.14 3A.AP.15 3A.AP.16	
<b>COMPETENCIES</b>		<b>LEARNING TARGETS</b>	

<b>I can demonstrate an understanding of many digital devices</b>	<ul style="list-style-type: none"> <li>• I understand that JavaScript is a programming language while HTML and CSS are markup languages.</li> <li>• I can find existing JS on approved sites and incorporate it into my web pages.</li> </ul>
<b>I can approach a challenge with computational thinking</b>	<ul style="list-style-type: none"> <li>• I can manipulate existing JS code to customize the effect for my pages.</li> </ul>
<b>I can code a program to express an idea or solve a problem.</b>	<ul style="list-style-type: none"> <li>• I can create variables, loops, and conditionals in JS and have the results affect the look of my web pages</li> </ul>

<b>SUBJECT: Web Design</b>		<b>GRADE: 9-12</b>	
<b>Unit Title: Final Website Creation</b>		<b>Time Frame: Days 71 - 90</b>	
<b>UNIT OVERVIEW</b>			
This unit allows the students to create a website of their choosing to showcase what they have learned and to also explore HTML, CSS or JS that was not covered.			
<b>LRG SKILLS AND DISPOSITIONS</b>		<b>PA STANDARDS</b>	
Creativity and Innovation: Final Project (S3C) Critical Thinking and Problem Solving: Final Project (S4C)		3.4.10.A2 3.4.10.C1 3.4.10.D2 3.4.10.D3 3.4.10.E4 3.4.10.E7 3A.IC.27 3B.AP.10 3B.DA.07	
<b>COMPETENCIES</b>		<b>LEARNING TARGETS</b>	
<b>I can approach a challenge with computational thinking.</b>		<ul style="list-style-type: none"> <li>• I can create a website of at least 5 pages that is functional, attractive, and informative.</li> </ul>	

**I can demonstrate an understanding of many digital devices.**

- I can find new code and research how to use it and then apply it to my web pages.