SUBJECT: Web Design	GRADE: 9-12
Unit Title: The Internet, World Wide Web, and HTML	Time Frame: Days 1-25

UNIT OVERVIEW

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.

LRG SKILLS AND DISPOSITIONS	PA STANDARDS
Critical Thinking and Problem Solving: Tables project (S4C)	3.4.10.A2 3.4.10.C1 3B.AP.10 3B.AP.24
COMPETENCIES	LEARNING TARGETS
I can code a program to express an idea or solve a problem	 I can write the code to create an HTML page that will display on a browser. I can create links using HTML. I can create a table using HTML. I can place images in an HTML document.

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

	3A.CS.01 3A.CS.03 3A.DA.09
COMPETENCIES	LEARNING TARGETS
I can code a program to express an idea or solve a problem.	 I can write CSS and utilize it to make a positive impact on the layout and design of my web pages. I can write inline, internal, and external CSS. I can use external CSS to affect multiple pages of a site at the same time. I can create my own "selectors" in CSS and use them in my HTML I can affectively use selectors, properties and values in my CSS. I can create affects, such as hovers or slide shows with CSS. I can create a web site of at least 5 pages that uses HTML and CSS to present a totally functional and attractive site.

SUBJECT: Web Design	GRADE: 9-12
Unit Title: Dynamic Programming with JavaScript	Time Frame: Days 61-70
UNIT OVERVIEW	
This unit explores the use of JavaScript to enhance the looks of the web pages	
LRG SKILLS AND DISPOSITIONS	PA STANDARDS
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
COMPETENCIES	LEARNING TARGETS

I can demonstrate an understanding of many digital devices	 I understand that JavaScript is a programming language while HTML and CSS are markup languages. I can find existing JS on approved sites and incorporate it into my web pages.
I can approach a challenge with computational thinking	I can manipulate existing JS code to customize the effect for my pages.
I can code a program to express an idea or solve a problem.	I can create variables, loops, and conditionals in JS and have the results affect the look of my web pages

SUBJECT: Web Design	GRADE: 9-12
Unit Title: Final Website Creation	Time Frame: Days 71 - 90

UNIT OVERVIEW

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.

LRG SKILLS AND DISPOSITIONS	PA STANDARDS
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
COMPETENCIES	LEARNING TARGETS
I can approach a challenge with computational thinking.	• I can create a website of at least 5 pages that is functional, attractive, and informative.

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.