UNIT PLAN

Course Number: 071-001 through 071-003 and 071-002 through 072-003

Discipline: Technology

Grade Level: 9-12

Course Length: 1 Semester

Credits: 3

Course Description:

The purpose of this course is to prepare you for a future where you can properly harness fundamental Web design skills. The course covers Hypertext Markup Language (HTML), CSS Style Sheets and introduces students to Dreamweaver, Photoshop and PDF writer as it pertains to Web Design. Students will learn project management skills while working on peer group activities and independent assignments. Major projects will focus on Design skills in Photoshop and building a portfolio Website. Many professions value an employee who is proficient in the basics of HTML, Adobe Dreamweaver and Photoshop. This class will provide you with the skills necessary to apply these technologies in such a way that you could use them to create educational and personal projects on your own time.

School-Wide Student Expectations:

Problem Solving, The student's problem solving exhibits all of the following:
* Identifies and describes the problem
* Draws information from a variety of sources
* Addresses all essential conditions of the problem
* Presents correct work or computation with evidence of reflection checking
* Shows understanding of underlying concepts and procedures
* Presents strong supporting arguments and/or facts with great clarity and organization

Writing, The student's writing exhibits all of the following:
* Convention of proper usage for academic writing
* An understanding of audience through word choice, vocabulary, tone and style

Unit: Introduction to CSS

Enduring Understanding	Students will understand the following steps for Introduction to CSS: - What is CSS - How does CSS work with HTML - Write and read basic CSS - Understanding the difference between internal CSS and External CSS - The function of reset.css 1. Students will be able to explain in a Google Doc and presenting a visual example on the Web of how HTML and CSS work together to build a Web page. 2. Students will understand how tags work in CSS and when and where to apply CSS formatting. 3. Students will be able to write and read basic CSS to format an individual Web page to create a practice Web site.
Essential Questions	- How can 1 person paint 3 rooms at the same time? - Do you have to know how to speak Spanish to visit Spain?

Unit Objectives	- What is CSS
	  9-12.CAS.c.7
	  9-12.DTC.b.1
	  9-12.CT.d.2
	  9-12.CT.d.7
	- How does CSS work with HTML
	  9-12.CT.d.2
	  9-12.CT.d.4
	  9-12.CT.d.9
	- Write and read basic CSS
	  9-12.CT.d.4
	  9-12.CT.b.2
	  9-12.CT.b.3
	- Understanding the difference between internal CSS and External CSS.
	  9-12.CT.d.8
	- The function of reset.css
	  9-12.CT.d.8
	  9-12.CT.d.11

Assessment Activities	HTML & CSS Unit Exam (given at end of CSS Unit) https://docs.google.com/a/natickps.org/forms/d/1VhQfaWSXoExnAgwy90ViQa9n9DIzGe6Wyisyvui3EIs/edit & Study Guide: https://docs.google.com/document/d/1csGYwwZkNiVJI-pBmrF3JwD3Sq2Z57yNXe2KsaZU8rg/edit (Jeopardy Game Played in Class) - - - Create Your Own Page, HTML & CSS: http://mrscullen.com/images/web_createyourownpage.pdf
Vocabulary	Attribute, Class, Code, Coding, Computational Artifact, Computational Thinking, Debugging, HTML, Internet, IP Address, Library/Code Library, Variable, WWW
Project Based Learning Activities	Activities CSS Worksheet: https://docs.google.com/document/d/17JsO1m7RE6wRwwTnCJ9ApeXe8kgcF7EtLQ5tp9dRr0I/edit - - - Page Re-Create with Class: http://mrscullen.com/images/web_pageredesign.png - - - HTML & CSS, Tag You Are It: http://mrscullen.com/images/web_tagyouareit.pdf - - - Learning Resources CSS Defaults: https://www.w3.org/TR/CSS2/sample.html - - - Reset CSS http://meyerweb.com/eric/tools/css/reset/ - - - Skeleton for Start of HTML and CSS Page: http://mrscullen.com/images/web_skeleton.pdf

School Wide Student Learning Expectations	**Problem Solving**, The student's problem solving exhibits all of the following: * Identifies and describes the problem * Draws information from a variety of sources * Addresses all essential conditions of the problem * Presents correct work or computation with evidence of reflection checking * Shows understanding of underlying concepts and procedures * Presents strong supporting arguments and/or facts with great clarity and organization
	Writing, The student's writing exhibits all of the following: * Convention of proper usage for academic writing * An understanding of audience through word choice, vocabulary, tone and style