UNIT PLAN

Course Number: 469a-001

Discipline: Technology

Grade Level: 9-12

Course Length: 1 Semester

Credits: 3

Course Description:
The purpose of this course is to prepare students for a future where they can properly harness advance Web design skills. The course covers advance Hypertext Markup Language (HTML) and CSS Style Sheets, as well as advance topics in Dreamweaver and Photoshop as it pertains to Web Design. The course will also introduce students to Adobe Acrobat. Acrobat will provide them with the tools to create an E-portfolio, which will be used to showcase their work when applying to colleges or jobs. Students will complete peer group activities and independent projects. They will create 2 Websites, one class Website and one educational site for a teacher outside of the NHS Web Design program, each which will serve a different purpose and audience. Many professions value an employee who is proficient and advance in HTML, CSS, Adobe Dreamweaver and Photoshop. This class will provide them with the skills necessary to use these technologies in such a way that they would be confident in adding them to their resume.

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: Project Management

Enduring Understanding	Students will understand the following steps for the "planning" of a website: - Pinpointing your Web site goals - Understanding the benefits of developing a plan - Determine how to handle maintenance and updates - Safe Practices - Designing for Media Queries - Accommodating new ideas while sticking to your plan 1. To be able to successfully plan your site using a site map and a wire frame created in cacoo.com 2. To become familiar with the interface and purpose of cacoo.com 3. To carry over your planning stages into the building and developing phase. 4. Develop project management skills which include organization, time management and structure.
Essential Questions	- What is important about any planning process? - Similar to playing a game of chess how do you plan for the next step of a long term plan and what could alter those plans?

Unit Objectives	- Pinpointing your Web site goals
	   9-12.DTC.b.1
	   9-12.DTC.c.2
	   9-12.DTC.c.5
	- Understanding the benefits of developing a plan
	   9-12.DTC.c.4
	- Determine how to handle maintenance and updates.
	   9-12.DTC.c.3
	- Safe Practices
	   9-12.CAS.a.3
	   9-12.CAS.c.8
	- Designing for Media Queries
	   9-12.CAS.c.1
	   9-12.CAS.c.4
	   9-12.DTC.a.1
	   9-12.DTC.b.1
	- Accommodating new ideas while sticking to your plan
	   9-12.CS.a.4

Assessment Activities	Project Proposal, Directions: http://mrscullen.com/images/awd1_projectmanagement.pdf Project Proposal, Example: https://docs.google.com/a/natickps.org/document/d/1-QGrm33I6FGBm0-U42OxrvJ7v75NFLUsWAOnuMFIZ_U/edit?usp=sharing
Vocabulary	Application, Authentication - - - Site Map, Flowchart, Wireframe, Color Combination, Resource Site, SEO
Project Based Learning Activities	Activities: In Class critique session Learning Resources/ Template Sites for Inspiration: https://themeforest.net/ https://wordpress.org/themes/ https://themeforest.net/item/mobile/7057821

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	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