UNIT PLAN

Course Number: 487a-001 (honors level)

Discipline: Computer Science (Media Arts)

Grade Level: 9-12

Course Length: 1 Semester

Credits: 3

Course Description:
The purpose of this course is to confidently transition students into the professional world of Web Design and Development. Students will focus on preparing for the Adobe Dreamweaver CC certification exam. The teacher will administrate the exam at the end of the semester in the classroom setting. The course will also introduce students to CSS3 for transitions, designing and developing for multiple screen sizes and advance features in Photoshop and Dreamweaver. In conjunction with preparing for the Adobe Dreamweaver CC certification exam and expanding their knowledge on the Adobe CC suite students will build and maintain a minimum of 1 website. This website will need to be based on an educational or non-profit environment. When students exit this course they will be prepared to apply for an entry-level job in Web Design/Development, which on average starts at a rate of $25/hr.

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

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