

## 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: Educational Site

<b>Enduring Understanding</b>	<p>Students will be able to move from a planning stage to a working stage for publishing a professional educational Website using the following skill sets:</p> <ul style="list-style-type: none"><li>- Working with an educator to create an informative and user friendly Website</li><li>- Use Adv. Dreamweaver features to create, maintain and publish Website</li><li>- Use HTML5 and CSS3 features to create an attractive, modern and user friendly Website</li><li>- Publishing and sharing site using data from SEO</li></ul> <ol style="list-style-type: none"><li>1. Students will work with an educator from NHS to successfully create/complete a Website displaying adv. feature of Adobe Dreamweaver.</li><li>2. Students will be able to create a .html/.css resource which can be used in the future as an educational tool.</li><li>3. Students will be able to carry over planning stages of a Website into the building and developing phase.</li><li>4. Students will be able to develop project management skills which include organization, communication, time management and structure.</li></ol>
<b>Essential Questions</b>	<ul style="list-style-type: none"><li>- How does building a house relate to building a Website?</li></ul>

<p><b>Unit Objectives</b></p>	<ul style="list-style-type: none"> <li>- Working with an Educator 9-12.DTC.b.2</li> <li>- Adv. Dreamweaver Features 9-12.DTC.a.1 9-12.DTC.a.2 9-12.DTC.b.1</li> <li>- HTML5 and CSS3 9-12.CAS.c.7 9-12.DTC.b.1 9-12.CT.d.2 9-12.CT.d.7</li> <li>- Web Hosting 9-12.CAS.b.2 9-12.CAS.b.3</li> </ul>
<p><b>Assessment Activities</b></p>	<p>Assessment for Final Project/Personal Site Home Page Rubric <a href="http://mrscullen.com/images/dw_personalsitehomepagerubric2.pdf">http://mrscullen.com/images/dw_personalsitehomepagerubric2.pdf</a> All Pages Rubric <a href="http://mrscullen.com/images/dw_personalsiterubric.pdf">http://mrscullen.com/images/dw_personalsiterubric.pdf</a></p>
<p><b>Vocabulary</b></p>	<p>Algorithm, Authentication, Bandwidth, Browser Cookie, Code, Coding, Class, Data Structure, Digital Privacy, Digital Safety, Lifelong Learning, Problem Domain, Proprietary Software License, Server, WWW - - - HTML file, CSS file, external CSS, code view, design view, split view, panels, container, insert div tag, draw div tag, compound, class, css rule, live view, preview in browser, publishing, SEO</p>

<p><b>Project Based Learning Activities</b></p>	<p>Activities &amp; Rubrics for Final Project/Personal Site:  Mid-Check Rubric  <a href="http://mrscullen.com/images/wdpersonalsite_sidepages.pdf">http://mrscullen.com/images/wdpersonalsite_sidepages.pdf</a>  Content Peer Editing Feedback Form  <a href="http://mrscullen.com/images/wdcontentpeergrading.pdf">http://mrscullen.com/images/wdcontentpeergrading.pdf</a>  Guardian/Educator Rubric  <a href="http://mrscullen.com/images/web_guardianrubric.pdf">http://mrscullen.com/images/web_guardianrubric.pdf</a></p> <p>Learning Resources  Videos linked in the Dreamweaver/HTML &amp; CSS Unit Outline  - - -  Web Design Tool Kit  <a href="http://mrscullen.com/images/webdesigntoolkit.png">http://mrscullen.com/images/webdesigntoolkit.png</a>  - - -  Setting up FTP  <a href="http://mrscullen.com/images/wd_ftpsetupinformation.pdf">http://mrscullen.com/images/wd_ftpsetupinformation.pdf</a>  - - -  Connecting to FTP  <a href="http://mrscullen.com/images/connecttoftp.pdf">http://mrscullen.com/images/connecttoftp.pdf</a></p>
<p><b>School Wide Student Learning Expectations</b></p>	<p><b>Problem Solving</b>, 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</p>
	<p><b>Writing</b>, 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</p>