UNIT PLAN

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

Discipline: Computer Science (Media Arts)

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 Photoshop

Enduring Understanding	Students will understand the following steps for Introduction to Photoshop: - The purpose of using Photoshop - Copyright Material - Raster vs. Vector - The User Interface - Tools: Selection, Eraser, Brushes, Text, Layers, Filter Gallery, Adjustments Panel, Shapes, Pen Tool, Crop, Clipping Mask, Characters Panel, Transparency, Image/Canvas and Sizing - Working with Color & Fonts - Saving Files 1. Through learning the basic tools in the Photoshop interface students will be able to: identify design elements when preparing and manipulate images. 2. Students will be able to confidentially choose and apply the correct tool in Photoshop to perform the needed photo editing skills to create a desired look on a photo. 3. Students will show their knowledge of working in Photoshop through digitally editing images as well as completing the Photoshop worksheet.
Essential Questions	- If you edit an original painting is the painting still an original? - Does everyone in the world have different finger prints?

Unit Objectives	- The purpose of using Photoshop
	  9-12.DTC.a.1
	  9-12.DTC.a.2
	  9-12.DTC.b.1
	- Copyright Material
	  9-12.CAS.a.1
	  9-12.CAS.a.2
	  9-12.CAS.b.1
	- Raster vs. Vector
	  9-12.CS.a.1
	  9-12.CS.a.2
	  9-12.CS.a.6
	- The User Interface
	  9-12.CT.d.10
	- Tools
	  9-12.DTC.a.1
	  9-12.DTC.a.2
	- Working with Color & Fonts
	  9-12.CT.c.2
	  9-12.CT.c.5
	- Saving Files
	  9-12.CT.c.1
	  9-12.CT.c.2
	  9-12.CT.c.3

Assessment Activities	Magazine Madness, Final Project: http://mrscullen.com/images/ ipp_ipadpublishingmadnesscover.pdf - - - Simplified version of project (if student's do not have the skill set the make a magazine from scratch without teacher guidance): http://mrscullen.com/images/ magazineassignment.pdf - - - Proposal for Project (example): https://docs.google.com/document/d/1aJv--w5WyRVMHQp0xHE0x8Sot9_6e6Uu21qwY-4s0-w/edit - - - Final Project (example) https://docs.google.com/document/d/1n441TIvmKfjyw0_Ip7j459DZ0tZwLvSkEs_vTqmrBg8/edit

Vocabulary	Acceptable Use Policy, Attribute, Color Depth, Component, Digital, Digital Artifact, Digital Citizenship, Digital Creator, Digital Device, Digital Divide, Digital Literacy, Digital Media, Digital Tools, Fair Use, Intellectual Property, Pixel, Resolution
Project Based Learning Activities	Activities Photoshop Photo Gallery: http://mrscullen.com/images/photoshopgallery.pdf - - - Photoshop Worksheet: https://docs.google.com/document/d/1sOKdkH2cUfGElFNkPCP_HRPIfYYYrjMirrYm44ZIX9A/edit - - - Photoshop Ping Pong: http://mrscullen.com/photoshoppingpong.html Games Real or Photoshop: http://landing.adobe.com/en/na/products/creative-cloud/69308-real-or-photoshop/ - - - Pen Tool Challenge #1: http://bezier.method.ac/ - - - Pen Tool Challenge #2: https://helpx.adobe.com/illustrator/how-to/pen-tool-game.html - - - Cool Colors Challenge: http://color.method.ac/ Learning Resources Content Aware: http://tv.adobe.com/watch/mareks-mastering-techniques/master-content-aware-fill-in-photoshop-cs5-part-1-/ - - - Red Eye Removal: https://www.youtube.com/watch?v=q7Cfd6nfEEM - - - Downloading Fonts: http://www.dafont.com/theme.php?cat=717 & https://support.apple.com/en-us/HT201749

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
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