UNIT PLAN

Course Number: 469a-001

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 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: Adv. Photoshop

Enduring Understanding	Students will understand the following steps for using Photoshop at an Intermediate level with the following tools: - Selection Editing Tools: pen tool, selection tools, painting with the quick mask tool, path as a selection - Color Editing Tools: highlight and shadow, image mode, brushes, patch tool, red eye tool - Layer Tools: adjustment panel, blending modes, clone stamp, transforming selection/clipping mask, pen tool to shape layer, blending photos - Actions: resolution, history panel & history brush tool, creating an action, animation 1. Students will explore and learn the advanced features in Photoshop through instructional lessons from the teacher and reading the e published Photoshop chapters. 2. Students will use advance features in Photoshop and following the rule of design principles to edit digital photos to add to the attractiveness of a Website. 3. Students will display their work in a visually appealing Adobe Bechance portfolio.
Essential Questions	- How do the more advanced features in Adobe Photoshop remind you of learning how to play a sport and then learning the different plays performed in the sport?

Unit Objectives	- Selection Editing Tools 9-12.DTC.a.1 9-12.DTC.a.2 9-12.DTC.b.1 9-12.CAS.b.1 - Color Editing Tools 9-12.CT.c.2 9-12.CAS.a.1 9-12.CAS.b.1 - Layer Tools 9-12.DTC.a.1 9-12.DTC.a.2 9-12.DTC.b.1 9-12.CAS.b.1 - Actions 9-12.CT.c.2 9-12.CT.c.5 9-12.CS.d.1
Assessment Activities	Photoshop Portfolio Project in Behance: http://mrscullen.com/images/ behanceportfolio_fullassignment.pdf Portfolio Example: https://www.behance.net/gallery/30738361/Eye-See-You

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, Function, Fair Use, Intellectual Property, Pixel, Resolution - - - Pen Tool, Selection Tools, Painting with the Quick Mask Tool, Path as a Selection, Highlight and Shadow, Image Mode, Brushes, Patch Tool, Red Eye Tool, Adjustment Panel, Blending Modes, Clone Stamp, Transforming Selection/ Clipping Mask, Pen Tool to Shape Layer, Blending Photos, Resolution, History Panel & History Brush Tool, Creating an Action, Animation
Project Based Learning Activities	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 Photoshop, Chapters 1-3 Photoshop, Chapters 4-6 Photoshop, Chapters 7-8 Photoshop, Chapters 9 Photoshop, Chapters 10 Photoshop, Chapters 11 - - - Video of the Day (varies depending on what topic students vote to learn that day) Example, Blending Photos: https://www.youtube.com/watch?v=n3zJULq04bY

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