**Instructional Days:** 6-7

**Topic Description:** Explore image editing for the web using Photoshop or an image editor of choice.

**Objectives:**  
The student will be able to:

* Identify the standard image resolution for the web (72 dpi).
* Resize and crop images for the web.
* Identify and differentiate between the various image formats used in web sites: jpg, gif, png.
* Create an html page that includes images.

**Outline of the Lesson:**

* Discussion of various web image formats (5 minutes)
* Demo of resizing and cropping images (15 minutes)
* Selecting and cropping a images (35 minutes)
* Html pages that include images (55 minutes)

**Student Activities:**

* Participate in discussion and follow along with demo.
* Select and crop a few images.
* Create an html page that includes images.

**Teaching/Learning Strategies:**

* Discussion of various web image formats
  + Explain that image properties are relevant to web use
  + It is important to check the size when preparing an image for use on the web. Resolution can be set under image size.
  + Remind students of the website evaluation they did in unit 1 and features that made a particular site user-friendly.
* Selecting and cropping an image
  + Demonstrate how to crop and resize images in Photoshop or image editor of choice. Part of this will be review from Unit 1.
  + Have students choose a few images that they will add to their web page and crop them.
  + Explain that students should save their images for use in this project and later projects. Html pages that include images
  + Explain the following html tag.

Tag Description End Tag  
<img/> Defines an image

* Point out that the correct syntax for defining an image is <img src=”xxxx.jpg”/>  
  xxxx is the name of the image file. The image should be in the same folder as the html file.
* Have students insert their image into their html page.
* Explain the purpose of the alt tag and how it can be used in their images.
  + Ex. <img src=”xxx.jpg” alt=”A sunflower in the rain”>
* They can resize the photo on the screen with: <img src=”xxxx.jpg”width=”some #”height=”some #”/>
* They can add a title by: <img src=”xxxx.jpg”width=”some #”height=”some #” title=”This is my photo...”/>
* Give students time to experiment with placement, sizes, headings, and additional images.
* For students who finish early, you can have them view the filters and effects section of http://www.georgebenainous.com/web and try modifying their images.

**Resources:**

* http://www.georgebenainous.com/web (photoshop—filters/effects)
* <http://morph.cs.st-andrews.ac.uk/>
* https://www.photoshop.com/express