

## Photo Editing

Photoshop is a really awesome program that can do many, many unbelievable things to photos. We are going to try our hand at some very basic photo manipulation.

Please follow only carefully with Mrs. Niemann so as not to get lost. This sheet is to help you stay on track.

Search for Photoshop by going to WINDOWS MENU>ALL PROGRAMS>ADOBE MASTER COLLECTION>ADOBE PHOTOSHOP CS5.1 64 bit.



It will take a minute to open Photoshop, it is a BIG program.

When it is open go to **FILE>OPEN**. In this dialog box, go to your desktop and find the folder where you placed your three top photos. Open those images by shift-clicking all three or opening them separately.

The first thing we want to do is resize our photos to fit onto 8.5 x 11 paper. You will need to go up to the top menu: **IMAGE>IMAGE SIZE**. Change the widest part of your image to 8 inches. Make sure "resample image" is checked at the bottom. Change the resolution to 300. This will give us a higher quality image to work with. Click OK when you are finished. Click "CTRL +" "or CTRL -" to zoom in or out.

Make sure you have the following panels open: **History, Layers, Adjustments** (others can be open as well, but you will need these three). To find them, click on the WINDOW menu. Scroll down to the one you want and click on it.

- History shows you the steps that you have taken – you can easily go back to a previous step by clicking on that step in the history panel.
- Layers – you can create different layers through the layers panel. For example, if you wanted to add text to your image, select the TEXT tool (it's a T), and start typing. This will be created on a new layer. You can also go to FILE>PLACE and copy in another image in a layer on your document. This works well if you are creating a photo collage.
- Adjustments – This is a quick access menu to get to the adjustments that are listed under IMAGE>ADJUSTMENTS. By clicking on these you can make lots of interesting edits to your photos!

### SOME OF THE EXERCISES WE TRIED:

CROP: Select the CROP tool on the left. Drag a box and adjust to the size of the part you want to crop. Then click enter.

BLACK AND WHITE: Go up to IMAGE/ADJUSTMENTS/BLACK AND WHITE. Now let's adjust it somewhat. Go to IMAGE/ADJUSTMENT/BRIGHTNESS AND CONTRAST. Play with the sliders until you have an interesting composition. Think about your value scales that you made, look to see if you have that nice range from black to white.

SEPIA: Now let's change that black and white photo to look like an "old timey" photo. Go up to IMAGE/ADJUSTMENTS/PHOTO FILTER. Use the drop down menu to find the Sepia (see-pee-uh) filter. Play with the sliders again to change the way it looks.

Now let's pick a different photo and put some funky effects on it. Go up FILTER/FILTER GALLERY. Make sure that you can see a full view of your photo. Zoom out is in the bottom left corner. Let's work through all the different filters to see that they do. Adjust the sliders until your photo has an interesting composition. It doesn't have to look realistic but it does still need to be recognizable as you. You can do some silly ones later if we have time. Once you find a filter that you really like and have adjusted it save it as yournamefilter.jpg.

Then you can mess around with the filters all you want! If you want me to print any of the other photos that you create, save them in your folder and I will print up to three for each of you in addition to the one that you choose to use for your final grade.

PHOTOSHOP TOOLS EXPLAINED The keyboard shortcut is in ( ).



### **Rectangular Marquee Tool (M)**

Use this tool to make selections on your image, in a rectangular shape. This changes the area of your image that is affected by other tools or actions to be within the defined shape. Holding the [Shift] key while dragging your selection, restricts the shape to a perfect square. Holding the [Alt] key while dragging sets the center of the rectangle to where your cursor started.



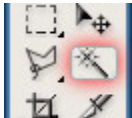
### **Move Tool (V)**

Use this tool to, well, move things. Usually you use it to move a Layer around after it has been placed. Hold the [Shift] key to limit the movements to vertical/horizontal.



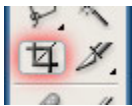
### **Lasso and Polygon Lasso Tool (L)**

Lasso tool is round; polygon lasso is angled. Use this to draw selections in whatever shape you would like. To close the selection, either click on the beginning point (you'll see the cursor change when you're on it), or just double-click. When holding the [Ctrl] key, you'll see the cursor change, and the next time you click, it will close your selection.



### **Magic Wand Tool (W)**

Use this to select a color range. It will select the block of color, or transparency, based on wherever you click. In the Options Bar at the top, you can change the Tolerance to make your selections more/less precise.



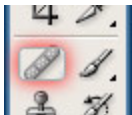
### **Crop Tool (C)**

The Crop Tool works similarly to the Rectangular Marquee tool. The difference is when you press the [Enter/Return] key, it crops your image to the size of the box. Any information that was on the outside of the box is now gone. Not permanently, you can still undo.



### **Slice Tool (K)**

This is used mostly for building websites, or splitting up one image into smaller ones when saving out. It's kind of an advanced tool, and since we are just learning the basics, we'll skip over it. I don't even use it.



### **Healing Brush Tool (J)**

This is a really useful tool. Mildly advanced. You can use this tool to repair scratches and specs and stuff like that on images. It works like the Brush tool (see below). You choose your cursor size, then holding the [Alt] key, you select a nice/clean area of your image. Let go of the [Alt] key and paint over the bad area. It basically copies the info from the first area to the second, in the form of the Brush tool. Only, at the end, it averages the information, so it blends.



### **Brush Tool (B)**

This is one of the first tools ever. It paints on your image, in whatever color you have selected, and whatever size you have selected. There's a lot of options for it, but this is basic, so we won't learn them yet.



### **Clone Stamp Tool (S)**

This is very similar to the Healing Brush Tool (see above). You use it the exact same way, except this tool doesn't blend at the end. It's a direct copy of the information from the first selected area to the second.



### **History Brush Tool (H)**

This tool works just like the Brush Tool (see above) except the information that it paints with is from the original state of your image. If you go Window>History, you can see the History Palette. The History Brush tool paints with the information from whatever History state is selected.



### **Eraser Tool (E)**

This is the anti-Brush tool. It works like an eraser and erases whatever information wherever you click and drag it. If you're on a Layer, it will erase the information transparent. If you are on the background layer, it erases with whatever secondary color you have selected.



### **Gradient Tool (G)**

You can use this to make a gradation of colors. It creates a blending of your foreground color and background color when you click and drag it. Like a gradient.



### **Blur Tool (R)**

The Blur tool is cool. It makes things blurry. Click and drag to make things blurry. The more you click and drag, the blurrier things get.



### **Dodge Tool (O)**

It's actually used to lighten whatever area you use it on. As long as it is not absolute black. Absolute black won't lighten.



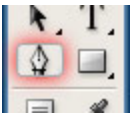
### **Path Selection Tool (A)**

You use this tool when working with paths. Since this is all about the basics, I won't go into details. It's related to the Pen Tool (see below) though.



### **Horizontal Type Tool (T)**

It makes text. You can click a single point, and start typing right away. Or you can click and drag to make a bounding box of where your text/type goes. There are a lot of options for the Type Tool. Just play around, it's fairly straight-forward.



### **Pen Tool (P)**

It's for creating paths, in which you would use the Path Selection Tool to select the path. This is a much more advanced tool, so we won't use it right now.



### **Rectangle Tool (U)**

By default it draws a Shape Layer in the form of a rectangle. It fills the rectangle with whatever foreground color you have selected.



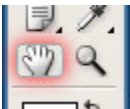
### **Notes Tool (N)**

Like post-it notes, but digital. You can use this tool to add small little note boxes to your image. These are useful if you're very forgetful or if you're sharing your Photoshop file with someone else.



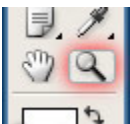
### **Eyedropper Tool (I)**

This tool works by changing your foreground color to whatever color you click on. Holding the [Alt] key will change your background color.



### **Hand Tool (T)**

You can really make short work of your job with the Hand Tool. It's for moving your entire image within a window. So if you're zoomed in and your image area is larger than the window, you can use the Hand Tool to navigate around your image. Just click and drag. You can get to this tool at any time when using any other tool by pressing and holding the [Spacebar].



### **Zoom Tool (Z)**

Pretty obvious what this tool does. It allows you to zoom into your image. Hold the [Alt] key to zoom out. Holding the [Shift] key will zoom all of the windows you have open at the same time. Double-click on the Zoom Tool in the palette to go back to 100% view.



### **BONUS!!**

These are your color boxes. Foreground (in the front) and Background (in the back). Click on either one to bring up the color select dialog box.