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Photoshop CS2

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SESSION 2
FILTERING FUN

In this session, you are introduced to Photoshop photo editing software. To start, learn about the program environment. Afterwards, open a picture and experiment with the filters to change the overall appearance of the image. Once familiar with this editing technique, apply different filters to the same image, and save each version. These images are then used to create a scrapbook page. Each image is arranged using both the Free Transform and Warp modes, to produce an interesting layout. Text is then added to describe the images.

Assignment 6: Introduction to Photoshop
Assignment 7: Have Fun with Filters
Assignment 8: Create a Scrapbook Page
Session 2 Review: About Photoshop
Session 2 Skill Review: The Art of an Urban Landscape
Session 2 Extension Activity: Blurring the Background
Assignment 6: Introduction to Photoshop

In this project, you are going to make a Digital Scrapbook using Photoshop. Photoshop is a type of photo editing software. Photo editing software cannot only improve your photography, but it can add a new level of artistry to it. Read to learn about Photoshop.

What is Photoshop?

Photoshop is photo editing software. It gives a person the ability to produce beautiful pictures with a degree of control and artistry that is not possible in a traditional darkroom. With Photoshop a person can:

✓ correct color and tone  
✓ adjust exposure, shadows, brightness, and contrasts  
✓ fix red eye  
✓ retouch spots and blemishes  
✓ reduce the noise to make the image appear sharper  
✓ warp an image by stretching, curling, or bending the shape  
✓ scale, rotate, or flip  
✓ crop an area to change the focus  
✓ remove, add, or combine picture elements  
✓ add pre-made shapes  
✓ apply artistic filters that change the appearance  
✓ paint using various artistic brushes  
✓ change the scenery  
✓ adjust the angle  
✓ convert to black and white  
✓ construct an image using different elements such as a background color, text, shapes, and selections from other photographs

1. List professions that would use Photoshop to complete their work.
Open Photoshop

Open Adobe Photoshop CS2.

Label the Parts of the Photoshop Window

Label the parts of the Photoshop Window.

- **Menu Bar**: A bar at the top of the windows that contains menus that organize types of tasks such as File, Edit, Image, Layer, Select, Filter, View, Window, and Help.
- **Options Bar**: A bar below the menu bar that displays options for an active tool.
- **Toolbox**: A box on the left side of the window that holds tools for creating and editing images.
- **Document Window**: A window that displays the active open file.
- **Palette**: A box that contains options to monitor and modify an image.
- **Palette Well**: An area at the top of the window used to organize palettes in the work area.
- **Go to Bridge**: A tool that opens Adobe Bridge, which is an organizer, used to locate, manage, and rename files.
Label the Parts of the Toolbox

8. The toolbox has tools you can use to type, select, move, paint, and draw, edit, and view objects. It has ten types of tools. Label the tool types.

- Crop and Slice Tools: Tools used to trim an image.
- Painting Tools: Tools used to paint freehand with a brush or to fill an area with a color.
- Annotation, Measuring, and Navigation Tools: Tools used to add notes, copy colors, measure distance, or change the view in the document window.
- Editing Mode Tools: Tools used to switch from Standard to Quick Mask mode.
- Image Ready: Tool used to open the image in another program.
- Selection Tools: Tools used to select a portion of an image.
- Retouching Tools: Tools used to correct problems by removing blemishes, copying a selection to another area, erasing a portion of the image, or smudging part of the picture.
- Drawing and Type Tools: Tools used to add text, draw shapes, create freeform lines, or position an item along a path.
- Color Tools: Colors swatches used to show or change the current foreground and background color.
- Screen Mode Tools: Tools used to change the display of the program on the screen.

Get to Know the Tools on the Toolbox

Some tools on the Toolbox have a tiny arrow in the right corner. If you click on the arrow, a flyout menu appears displaying more tools.

The tools in the Toolbox are not “sticky”. In most programs, the tools are “stuck” in the same spot. This makes them easy to find.

However, in Photoshop the tools in the Toolbox change. If you select a tool from the flyout menu, it replaces the current tool in view. This can be frustrating when you are just learning the program, because it takes some time to get used to the location of the tools.

To learn more about the tools refer to Appendix A.
Explore the Tools on the Toolbox

Let's explore the tools in the Toolbox. This will make it easier to find the tools you need in upcoming sessions.

9. You will want to erase an area.
   Find the **Eraser Tool.** What other tools are on the flyout menu?

10. You will want to select an area.
    Find the **Magnetic Lasso Tool.** What other tools are on the flyout menu?

11. You will want to draw shapes.
    Find the **Ellipse Tool.** What other tools are on the flyout menu?

12. You will want to add text.
    Find the **Vertical Type Tool.** What other tools are on the flyout menu?

13. You will want to paint with an artistic brush.
    Find the **Brush Tool.** What other tools are on the flyout menu?

14. You will want to retouch a photo to remove red eye.
    Find the **Red Eye Tool.** What other tools are on the flyout menu?

15. You will want to select part of a picture.
    Find the **Rectangular Marquee Tool.** What other tools are on the flyout menu?

You will need to LOOK for these tools by clicking the corner arrows. Have fun "clicking around"!
Get to Know the Tool Options

Some tools on the Toolbox have options. The options show up in the Options Bar when a tool is selected. In most programs, the options have standard settings. Typically, when a program is closed, and then reopened the standard settings are shown.

However, in Photoshop the options in the Options Bar change. If you select options from the Options Bar, the program remembers the settings last used even when the program is closed and then reopened.

This means each time you plan to use a tool that has options you need to look at the settings on the Options Bar before you use it, just to make sure the options are the choices you want.

16. ✈ Click the Brush Tool. 

Notice the options in the Options Bar. You can use them to change the brush style, blending mode, opacity, and flow.

✎ Click the Brush Preset Picker arrow. 

✎ Look through the list of options. Each Brush style has a name. Find a brush style you like.

What style of brush do you like?

17. ✈ Click the Horizontal Type Tool. Notice the options in the Options Bar. Many of them are similar to other programs. List three text options that are similar to other programs you have used:

Rest your mouse pointer over the style to see the name.
Get to Know the Palettes

A palette is a box that contains options to monitor and modify an image. You can turn palettes on and off, and move them around the window. Try it!

Close a Palette

- Click the Close button to close the Color palette.

Move a Palette

- Click the title bar on the Layers palette. Drag it to a new location.

Minimize a Palette

- Double click the title bar to reduce the size of the palette, taking up less space in the work area.

Open a Palette

- Click the Window menu. Active palettes have a checkmark.
- Click a menu option that does NOT have a checkmark to display the palette.

Reset Palettes

- From the Window menu, select Workspace, and then Reset Palette Locations.

Close Photoshop

- From the File menu, select Exit.
Assignment 7: Have Fun with Filters

In this assignment, you are going to experiment with the filters in Photoshop. Traditionally, photographers use different types of lenses that filter the light and change the color of a picture.

In Photoshop, filters are effects used to transform the appearance of a picture. However, instead of applying them BEFORE a picture is taken, they are applied AFTERWARDS.

There are many filter options. For example, you can use a filter to apply an artistic effect, distort the image, or change the texture.

Follow the instructions to experiment with the options in the Filter Gallery. You will save some of your favorite pictures, and use them in the following assignment to make your first scrapbook page.

Open Photoshop

- Open Adobe Photoshop CS2.

Open a Picture in Photoshop

- From the File menu, select Open.
- Click the Look in: arrow and go to the place where you saved your digital photographs or use the filter picture in the Photoshop folder. (Ask your teacher where this folder is located)
- Double click on an image to open it in Photoshop.
- If it is sideways, you can turn the picture by selecting Rotate Canvas from the Image menu, and then clicking an option from the submenu.

TIP: To make the picture larger, double click the title bar.
Make a Duplicate of the Picture

You do not want to overwrite your photo. For this reason, save the picture with a new file name.

- From the Image menu, select Duplicate.

- Click OK.

Have Fun with Filters

Experiment with the options in the Filter Gallery to change the way your picture looks. Have FUN!

- From the Filter menu, select Filter Gallery. A window opens that displays the image, filters, and options.

To apply a filter effect:

- Click on a filter category.
- Click on a filter thumbnail to apply it to the picture.
- Change the options for the filter by dragging the sliders.
- When you like the way the picture looks, click OK.

Preview TIP: To see the entire picture, click the Zoom tool and select Fit in View.
Save a Picture

- From the File menu, select Save As.
- In the Save in: box, locate the place where you save your work.
- Click the New Folder button. Name the folder Filter Pictures.
- Double click on the folder to open it.
- In the Save As box:
  1. Type Filter Name in the File name box.
  2. Select JPEG in the Format box. Click Save.
- When the JPEG Options box is displayed, click OK.

Close the Picture

- Close the picture by clicking the Close button on the document window title bar (X).

Continue to Have Fun with Filters

You need several pictures for your scrapbook page. Continue to apply different filters to the same picture.

- The original picture should still be open. Make a duplicate.
- To apply a filter effect, select Filter Gallery from the Filter menu.

HINT: Do not click on Filter Gallery at the top of the menu. This applies the previous filter only. Instead, click on the word Filter Gallery..., which is the third option down from the top. This will apply the last filter, but also opens the Filter Gallery so that you can choose a different filter.

- Click on a filter category.
- Click on a filter thumbnail to apply it to the picture.
- Change the options for the filter by dragging the sliders.
- When you like the way the picture looks, click OK.
- Save the picture to the Filter Pictures folder.
TechnoChallenge: Apply More than One Filter (Optional)

- Apply a filter effect. Notice how it appears in the list:

- To add another filter effect to the picture, click the New Effect Layer tool at the bottom of the Filter Effect List.

- A layer appears at the top of the list. Apply a second filter effect.

TechnoChallenge: Use the Filter Menu Options (Optional)

Not all the filter effects are available in the Filter Gallery. If you want more choices, use the Filter menu.

- Click the Filter menu. Select an option from the menu:
  - Extract: Isolate a foreground object and erase the background.
  - Liquify: Push, pull, rotate, reflect, pucker, and bloat any area of an image.
  - Pattern Maker: Create a pattern from a selection and then fill the image with the pattern.
  - Vanishing Point: Define the perspective planes and then edit the image.
  - Artistic: Apply a range of paint and pencil techniques.
  - Blur: Soften the edges of an image.
  - Brush Stroke: Apply a range of brush and ink stroke effects.
  - Distort: Warp an image by reshaping areas.
  - Noise: Increase or reduce noise in an image by adding, removing, or blending pixels.
  - Pixelate: Clump pixels that are similar together to create large colored squares.
  - Render: Layer cloud, lens, or lighting effects over top of an image.
  - Sharpen: Increase the contrast between pixels to sharpen an image.
  - Sketch: Redraw the image with various tools to create a hand drawn look.
  - Stylize: Highlight the edges by increasing the contrast in an image.
  - Texture: Simulate the image painted on various textured surfaces.

You can apply more than one filter. Try it!

TIP: You can reorder the effects. Click and drag each layer, UP or DOWN to change the position.

Want to have FUN? Distort is a filter effect that lets you morph your image. Try it!!