

Learn about TechnoPhotoshop: <http://www.technokids.com/computer-curriculum/senior/photoshop-lesson-plans-technophotoshop.aspx>

About TechnoPhotoshop: This session is an excerpt from TechnoPhotoshop. In TechnoPhotoshop, students create a digital scrapbook. To start, students learn how to use a camera to take high-quality photographs. Once a library of images has been established, the program Photoshop is used to transform the pictures into scrapbook pages. Ranging from whimsical to wacky, each page is a creative expression of the artist.



SESSION 2

FILTERING FUN FOR PHOTOSHOP CS5

In this session, students are introduced to Photoshop photo editing software. To start, they learn about the program environment. Afterwards, they open a picture and experiment with the filters to change the overall appearance of the image. Once familiar with this editing technique, they 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

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SAMPLE

Session 2: Filtering Fun

Getting Started

Overview

In this session, students are introduced to Photoshop photo editing software. To start, they learn about the program environment. Afterwards, they open a picture and experiment with the filters to change the overall appearance of the image. Once familiar with this editing technique, they 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.

Materials

- Photoshop CS5
- Photoshop folder
- Page 1 sample file (Optional)
- Session 2 Review Questions (Optional)
- Session 2 Skill Review (Optional)
- Filter photo (Optional file for Assignment)
- Buildings photo (Optional file for skill review)
- Poster sample file (Optional file for skill review)
- Girl photo (Optional file for extension activity)
- Blurry Background sample file (Optional file for extension activity)
- Photoshop Tools Panel flashcards (Optional)

Teacher Preparation

(Refer to the Preparing to Teach section of this guide for instructions)

- Copy the *Photoshop* folder to a location where students can access the files.
- (Optional) Print in color the flashcards. Separate and mount or laminate each card to increase durability. These flashcards can be used to create bulletin boards or used to predict or review the function of program tools.

Teaching Strategy

In this session, students are introduced to Photoshop. Explain scenario to students:

In this project, you are going to create a digital scrapbook. In each session, you will learn new Photoshop tools and techniques to edit photos. These photos will then be combined with text, objects, and effects to create eye-catching scrapbook pages.



In this session, you are going to get to know the Photoshop environment by exploring the parts of the program window such as the Tools, Options Bar, and Panels. Afterwards, you will open a picture in Photoshop and apply filter effects to change the appearance of the image. These images will then be arranged in a document to create your first scrapbook page.

Assignment 6 Introduction to Photoshop

In this assignment, students are introduced to the Photoshop environment. To start they label the parts of the Photoshop window including the Menu Bar, Options Bar, Tools Panel, Document Window, Panels, Mini Bridge, and History. Afterwards, they take a closer look at the tools in the Tools panel. Once familiar with the content of the Tools panel, they experiment with selecting tool options from the Options Bar. The assignment ends with students closing, moving, opening, and resetting panels.

Introduce the following terminology:

- *Photoshop*: A type of photo editing software.
- *Menu Bar*: A bar at the top of the window that contains menus used to organize tasks.
- *Options Bar*: A bar below the menu bar that displays options for the active tool.
- *Tools Panel*: A box that contains tools to select, add, edit, or move objects.
- *Document Window*: A window that displays the active open file.
- *Panel*: A box that contains options to monitor and modify an image.
- *Mini Bridge*: A tool that opens Adobe Bridge, which is an organizer used to locate, manage, and rename files.
- *History*: A panel that that allows you to go to any recent state of the image being created in the current working session.

Assignment 7 Have Fun with Filters

In this assignment, students apply different filter effects to change the appearance of the same photo. To start they open a picture in Photoshop. They create a duplicate to preserve the original image. Afterwards, students experiment with the filter effects to create four new images. These images will be used in the following assignment to create a scrapbook page.

Introduce the following terminology:

- *Filter*: Effects used to transform the appearance of a picture.
- *Filter Thumbnail*: A small picture of the effect.
- *Filter Category*: A folder that contains effects of a particular type.
- *Filter Effect List*: A list of the effects applied to the picture.
- *Filter Options*: A box that displays the effect settings.
- *Preview*: A window that displays a sample of the picture.

Assignment 8 Create a Scrapbook Page

In this assignment, students arrange their photos with text to create their first scrapbook page. To start, they learn how to place an image into a document. The picture is made to look attractive by resizing, rotating, warping, and moving the image. Once all the pictures are in the document, students experiment with changing the position of the layers to adjust the stacking order. Afterwards, text is added to the page to describe the pictures.

Introduce the following terminology:

- *Layer*: A see-through sheet that contains objects in a document.
- *Layer Thumbnail*: A small picture of the objects on the layer.
- *Layer Name*: The name of the layer.
- *Control Point*: A point around an object used to adjust the size.
- *Control Point Handle*: A handle attached to a control point that can be dragged to change the shape of an object.
- *Mesh*: A grid over top of an object.

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Lesson Plan

Assignment 6 - Introduction to Photoshop

- What is Photoshop?
- Open Photoshop and label the parts of the window including the Menu Bar, Options Bar, Tools Panel, Document Window, Panels, History, and Mini Bridge.
- Label the parts of the Tools Panel.
- Explore the tools.
- Explore the tool options on the Options Bar.
- Explore Panels by closing, moving, opening, and resetting them.
- Close Photoshop.

Assignment 7 - Have Fun with Filters

- Open Photoshop and open a picture.
- Make a duplicate of the picture.
- Explore the filter effects in the Filter Gallery.
- Save the modified picture to a *Filter Pictures* folder.
- Continue to apply filters until several edited pictures are saved to the *Filter Pictures* folder.
- (Optional) Apply more than one filter to a picture.
- (Optional) Use the Filter menu options to apply effects.
- Close Photoshop.

Assignment 8 - Create a Scrapbook Page

- Open Photoshop and create a letter sized document with CMYK color.
- Study the layers in the document.
- Place a picture into the document and study the layers again.
- Resize, rotate, warp, and move the picture.
- Place pictures from the *Filter Pictures* folder onto the scrapbook page.
- Select a layer to make edits to the picture.
- Adjust the layers to change the stacking order.
- Add text to the scrapbook page.
- Use the tools on the Options Bar to format the orientation, font, size, alignment, color, and shape.
- Resize, rotate, and move text.
- Save the document in a *Scrapbook Page* folder as **Page 1**.
- Close Photoshop.

Learning Objectives

Below are learning objectives for this session. Students should be able to complete each task independently.

Content Knowledge:

- recognize the tasks that can be completed using photo editing software
- list professions that use Photoshop to complete their work
- define the terminology filter, filter category, filter thumbnail, filter options, filter effect list, and preview
- define the terminology layer, layer thumbnail, and layer name
- define the terminology control point, control point handle, and mesh

Technical Skills:

Operating Environment

- label the parts of the program window
- label the parts of the Tools panel
- right click to display a flyout menu of tools
- discover the location of tools on the Tools panel
- select tool options on the Options Bar
- close, move, minimize, open, and reset panels
- open and close a program
- save a picture file
- create a folder

Photo Editing Skills

- open a picture in Photoshop
- create a duplicate of a picture
- display the Filter Gallery
- apply filter effects from a filter category
- adjust the filter effect settings by adjusting the sliders for each option
- set the properties including the size and color mode of a document
- place a picture into a document
- resize, rotate, warp, and move a picture on a layer
- select a layer
- adjust the position of a layer to change the stacking order
- add text
- format the orientation, font, size, alignment, color and shape of text
- resize, rotate, and move text

Applied Technology Skills

- apply filter effects to transform the appearance of a picture
- create a scrapbook page with pictures and text

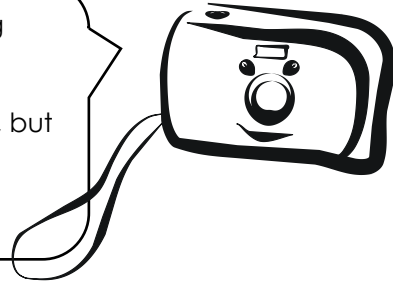
SAMPLE

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.

web designer

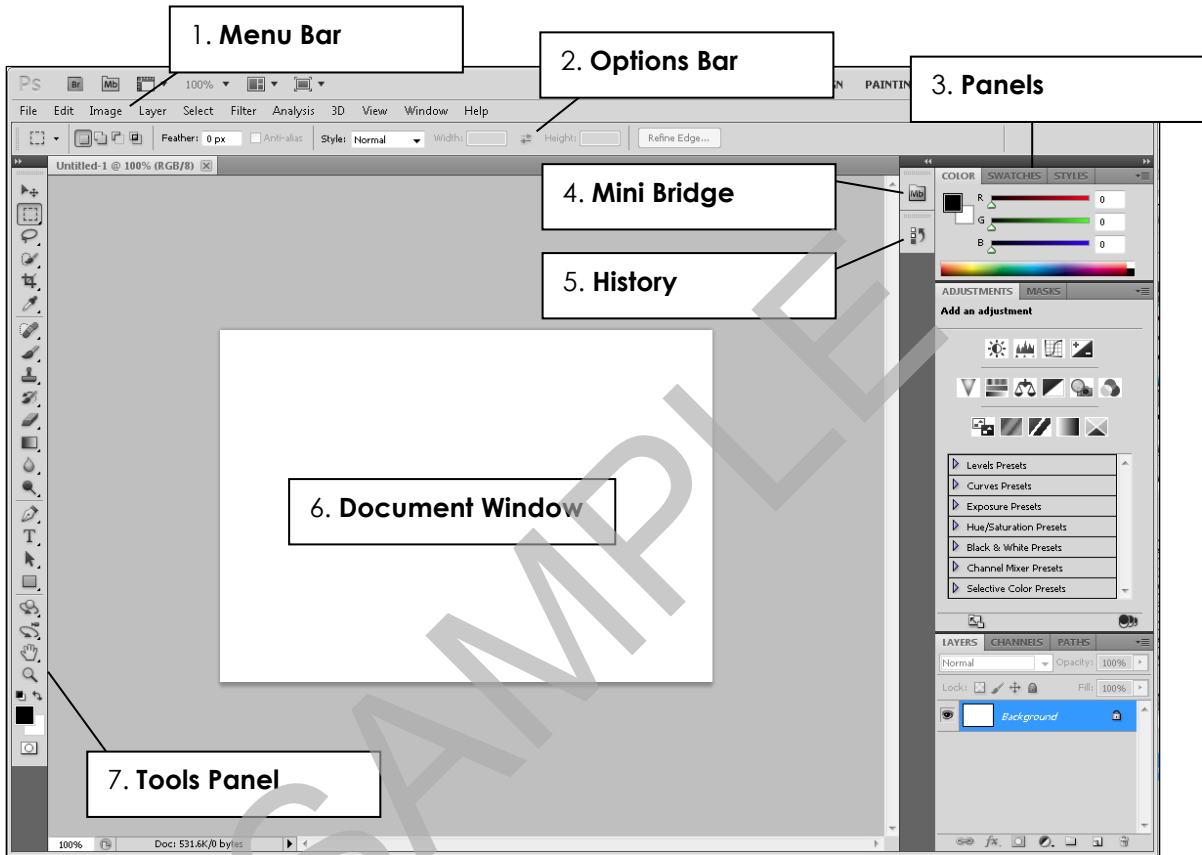
photographer

graphic artist

Open Photoshop

🖱️ Open Adobe Photoshop.

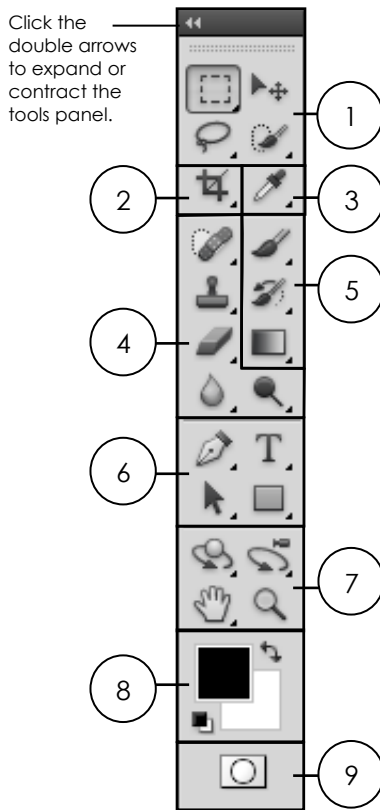
Label the Parts of the Photoshop Window



- 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.
- Tools Panel:** 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.
- Panels:** Boxes that contain options to monitor and modify an image. Panels can be undocked, moved, stacked, collapsed, or removed to optimize workspace.
- Mini Bridge:** A tool that opens Adobe Bridge, which is an organizer used to locate, manage, and rename files.
- History:** A panel that allows you to go to any recent version of the image being created in the current working session.

Label the Parts of the Tools Panel

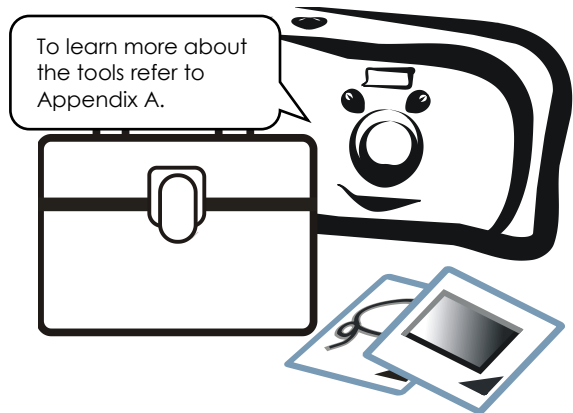
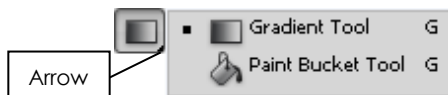
8. The tools panel has tools you can use to type, select, move, paint and draw, edit, and view objects. It has **nine** types of tools. Label the tool types.



- 2 Crop and Slice Tools: Tools used to trim an image.
- 5 Painting Tools: Tools used to paint freehand with a brush or to fill an area with a color.
- 7 Navigation and 3D Tools: Tools used to create, position, and animate 3D text and shapes, as well as a tool to magnify or reduce image size.
- 8 Editing Mode Tools: Colors switches used to show or change the current foreground and background color.
- 3 Measuring Tools: Tools used to sample colors, measure distances, locations, and angles, add notes, and count objects.
- 1 Selection Tools: Tools used to select a portion of an image.
- 4 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.
- 6 Drawing and Type Tools: Tools used to add text, draw shapes, create freeform lines, or position an item along a path.
- 8 Color Tools: Colors switches used to show or change the current foreground and background color.
- 9 Edit in Quick Mask Mode: A tool used to overlay color on an image, or selected parts of an image.

Get to Know the Tools on the Tools Panel

Some tools 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 Tools panel 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 Tools panel 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.

Explore the Tools on the Tools Panel

Let's explore the tools in the Tools Panel. 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?

Background Eraser Tool, Magic Eraser Tool

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

Lasso Tool, Polygonal Lasso Tool

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


Rectangle Tool, Rounded Rectangle Tool, Ellipse Tool, Polygon Tool, Line Tool, Custom Shape Tool

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


Horizontal Type Tool, Horizontal Type Mask Tool, Vertical Type Mask Tool

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

Brush Tool, Pencil Tool, Color Replacement Tool, Mixer Brush Tool

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?

Spot Healing Brush Tool, Healing Brush Tool, Patch Tool

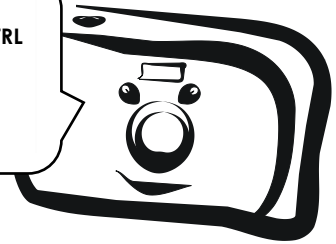
15. You will want to select part of a picture.
Find the *Rectangular Marquee Tool*.  What other tools are on the flyout menu?

Elliptical Marquee Tool, Single Row Marquee Tool, Single Column Marquee Tool

Get to Know the Tool Options

Some tools on the Tools Panel 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.

To reset the program options, press **ALT + CTRL + SHIFT** when opening the program. When asked to delete the settings file, click Yes.



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.

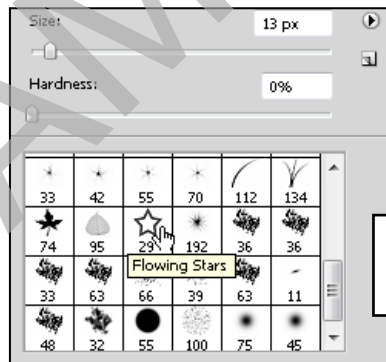


This means each time you plan to use a tool that has options, you need to look at the settings on the Options Bar before you use it, just to make sure the options are the choices you want.

- 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.



Rest your mouse pointer over the style to see the name.

What style of brush do you like? _____

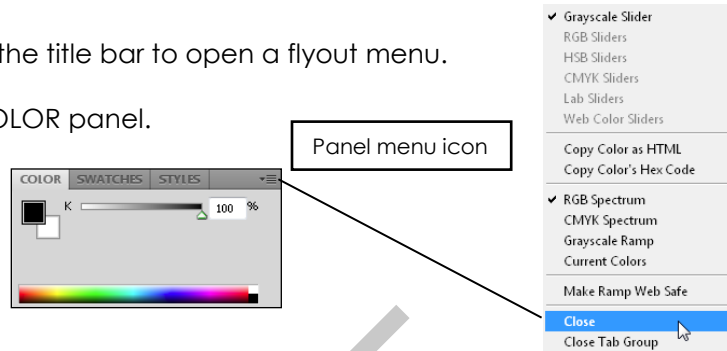
- 17. Click the *Horizontal Type Tool*. **T** Notice the options in the Options Bar. Many of them are similar to other programs. List three text options that are similar to other programs you have used:

Get to Know the Panels

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

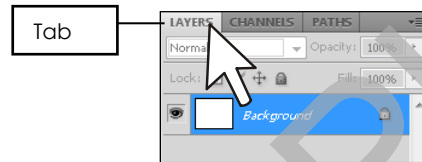
Close a Panel

- ☞ Click the panel menu icon in the title bar to open a flyout menu.
- ☞ Choose *Close* to close the COLOR panel.



Move a Panel

- ☞ Click the tab of the LAYERS panel. Drag the panel to a new location.



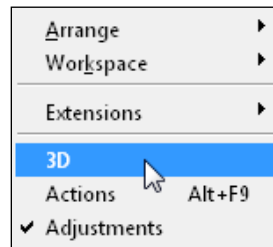
Minimize a Panel

- ☞ Double click the tab to reduce the size of the panel, taking up less space.



Open a Panel

- ☞ Click the Window menu. Active panels have a checkmark.
- ☞ Click a menu option that does NOT have a checkmark to display the panel.



Reset Panels

- ☞ From the Window menu, select *Workspace*, and then click *Reset Essentials*.

Close Photoshop

- ☞ From the File menu, select *Exit*.

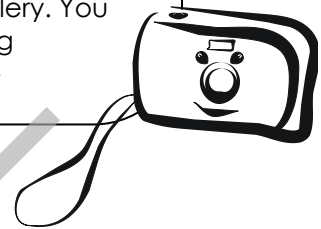
Assignment 7: Have Fun with Filters

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.

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 *Image Rotation* from the Image menu, and then clicking an option from the submenu.

TIP: To make the picture larger, double click the *Hand* tool in the tools panel.

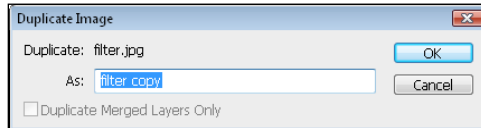


Make a Duplicate of the Picture

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



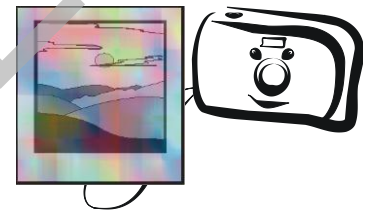
☞ From the Image menu, select *Duplicate*.



☞ Click OK.

Have Fun with Filters

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

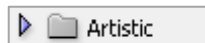


☞ From the Filter menu, select *Filter Gallery*. A window opens that displays the image, filters, and options.

TIP: To see the entire picture, click the Zoom tool and select *Fit in View*.

To apply a filter effect:

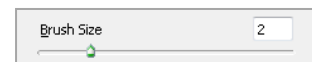
☞ Click on a filter category.



☞ 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.

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 *Create New Folder* button. Name the folder **Filter Pictures**.
- ☞ **Double click** on the folder to open it.
- ☞ Type **Filter Name** in the *File name* box, for example, **Sponge**.
- ☞ Select *JPEG* from the *Format* arrow. Click Save.
- ☞ When the *JPEG Options* box is displayed, click OK.

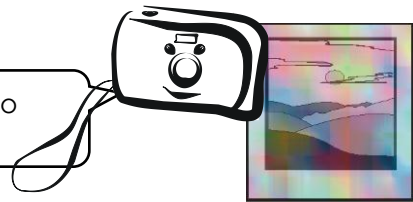
Close the Picture

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





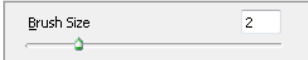
Continue to Have Fun with Filters

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.

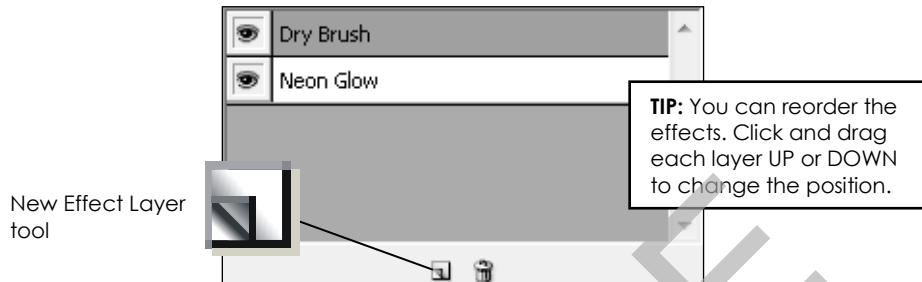
- ☞ Click on a filter category. 
- ☞ Click on a filter thumbnail to apply it to the picture. 
- ☞ Change the options for the filter by dragging the sliders. 
- ☞ When you like the way the picture looks, click OK.
- ☞ Save the picture to the *Filter Pictures* folder.

TechnoChallenge: Apply More Than One Filter (Optional)

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



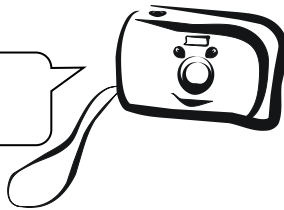
- ☞ To add another filter effect to the picture, click the *New Effect Layer* tool at the bottom of the *Filter Effect List*.



- ☞ 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:
 - **Lens Correction:** Automatically fixes distortions based on type of camera and lens.
 - **Liquify:** Push, pull, rotate, reflect, pucker, and bloat any area of an image.
 - **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.

Close Photoshop

- ☞ Click the *Close* button to exit the program.



Assignment 8: Create a Scrapbook Page

You are now going to create your **first** scrapbook page. It will contain an arrangement of pictures and text. You will complete the following steps:

- Open Photoshop.
- Select a letter sized document with CMYK color.
- Study the layers.
- Insert a picture into the document.
- Resize, rotate, and warp the picture.
- Insert another picture and study the layers.
- Continue to add pictures.
- Add text and format the appearance.
- Save the scrapbook page.

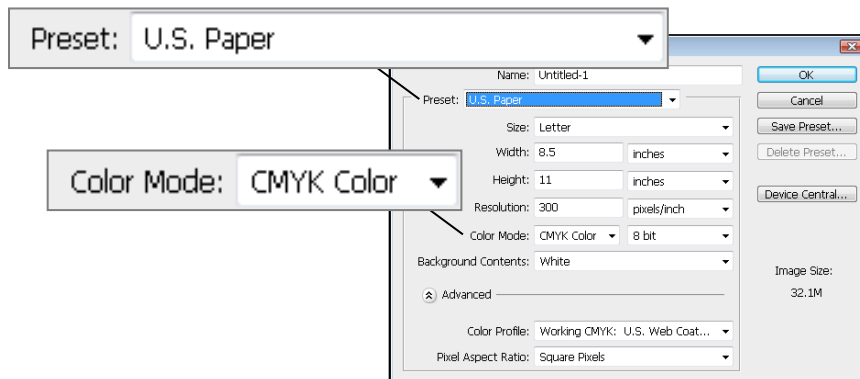


Open Photoshop

- Open Adobe Photoshop.

Create a Letter Sized Document with CMYK Color

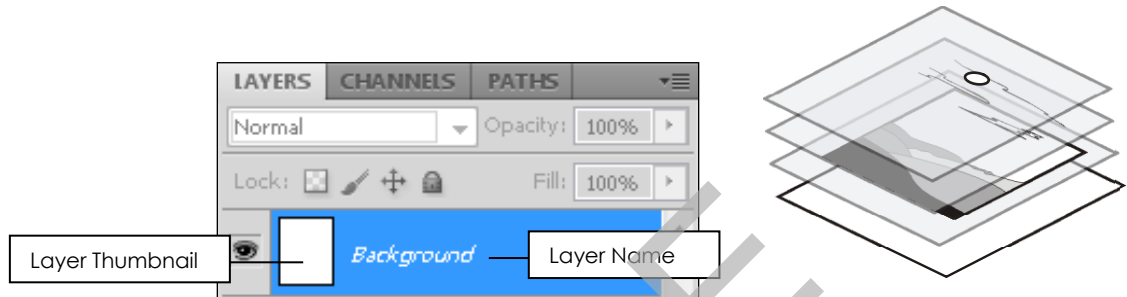
- From the File menu, select *New*.
- Set the document options: select *U.S. Paper* from the Preset box.
- Select *CMYK Color* from the Color Mode box.
- Click *OK*.



Study the Layers

In Photoshop the document is divided into layers. A layer is a transparent or see-through sheet that is used to organize objects. A layer can contain a shape, picture, or text. When layers are combined, they form a picture.

Why do you want to use layers? Layers let you edit one part of the picture at a time. You can add, delete, show, hide, move, and apply effects to layers.



1. Look at the LAYERS panel. What is the name of the layer?

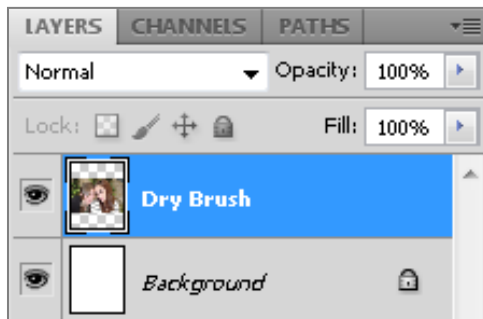
Background

Place a Picture into the Document and Study the Layers Again

- ☞ From the File menu, select *Place*.
- ☞ In the *Look in:* box, go to the **Filter Pictures** folder.
- ☞ Select a picture and then click *Place*.

2. Look at the LAYERS panel. Notice how there is a thumbnail of the photo you just inserted. What is the name of the new layer?

Name of the Picture File



Resize, Rotate, Warp, and Move the Picture

When you select a picture, Photoshop changes to *Free Transform* mode. This mode lets you easily resize and rotate a picture. From this mode, you can switch to *Warp* mode, which lets you reshape a picture.

Resize the Picture

- ☞ Position the mouse pointer OVER the corner control point. Click and drag inwards to make the picture smaller. ↖↗



TIP: Press and hold the SHIFT key as you drag to keep the picture in proportion.

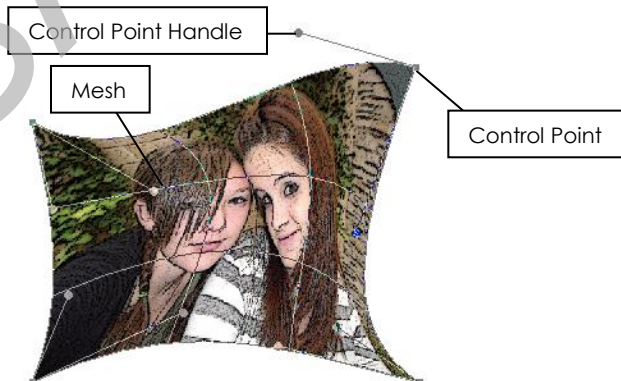
Rotate the Picture

- ☞ Position the mouse pointer ABOVE a control point. Turn the mouse to rotate the picture.



Warp the Picture


- ☞ You are going to change to warp mode. Click the *Switch between free transform and warp modes* tool on the Options Bar.
- ☞ Position the mouse pointer OVER a control point or part of the mesh and drag. To adjust the shape more, click and drag the control point handle.




- ☞ When you like the way your picture looks, click the *Commit transform* tool ✓ on the Options Bar.
- ☞ If you don't like the changes, click the *Cancel transform* tool ⓧ.

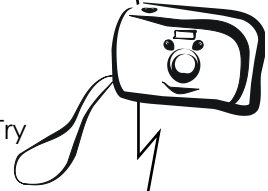
Move the Picture



Are you having trouble moving the picture? Try these ideas:

- Click the CTRL key and then drag the picture.
- Click the *Move Tool*  and then drag the picture.

Are you having trouble resizing, rotating, or warping the picture? Try these ideas:

- Select *Free Transform* from the Edit menu or press CTRL+T.
- Click the *Move Tool* . From the Options Bar select *Show Transform Controls*.







 To move the picture, click anywhere on the image, and drag with the mouse. 

Place Pictures onto the Scrapbook Page and Adjust the Layers

Add the pictures you have in the **Filtered Pictures** folder. Afterwards follow the instructions to select a layer to make edits to a picture and adjust the layers to stack the pictures to create an interesting layout.



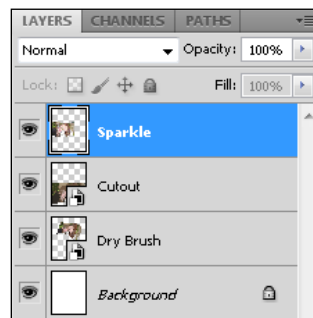
Insert a Picture and Format the Appearance

-  From the File menu, select *Place*.
-  In the *Look in:* box, go to the **Filter Pictures** folder.
-  Select a picture and then click *Place*.
-  Resize, rotate, and warp each picture.

Select a Layer to Make Edits to a Picture

-  **You can only edit a layer that is SELECTED.** Click on a *Layer Name* in the LAYERS panel. Now you can resize, rotate, or warp the picture on that layer.

TIP: If you cannot edit the picture, select *Free Transform* from the Edit menu or use the shortcut key **Ctrl + T**.



Adjust the Layers

- To change the stacking order of the layers, select a *Layer Name* in the LAYERS panel, and drag it to change the position. If you drag it up, the layer will be near the top of the stack, if you drag it down, the layer will be near the bottom of the stack.



HINTS:

- Undo a Mistake:** To undo an action select *Step Backward* from the Edit menu, or use the shortcut key **ALT+CTRL+Z**.
- Select a Layer:** If you cannot select a layer, you may not have accepted the edits made to the current layer. Click the *Commit transform* tool ✓. Now you should be able to select another layer to edit.
- See a Layer:** If you cannot see a layer, you may have accidentally clicked the *Eye Icon* 👁. Click the column beside the hidden layer to cause it to appear.
- Edit a Picture:** If you want to edit a picture you need to select *Free Transform* from the Edit menu, or click CTRL+T. You can also click the *Move Tool* ↶ and then select *Show Transform Controls* from the Options Bar.
- The Background:** You cannot change the stacking order of the background.

Add Text to the Scrapbook Page

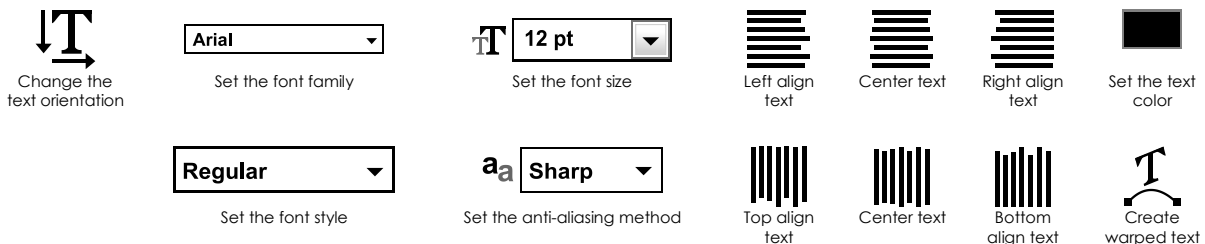
You are now going to add words to your scrapbook page that tell about the picture. You will want the text over top of all the pictures, so that it will be easy to read. For this reason, the text layer must be at the top of the list in the LAYERS panel.



- Select the top layer in the LAYERS panel. (This will cause the text layer to appear at the top of the list.)
- Select either the *Horizontal Type Tool* T or *Vertical Type Tool* ↓T from the Tools Panel.
- Click anywhere on the document. A text layer appears in the LAYERS panel.








- Type words to describe the picture.
- The Options Bar displays tools for editing the font, size, alignment, color, and shape of the words. Click and drag to select the text and then try the following options:




- When you like the words, click the *Commit any current edits* tool ✓ on the Options Bar. If you don't like the changes, click the *Cancel any current edits* tool ⊘.

Resize, Rotate, and Move the Text


- ☞ Click the *Move Tool* . From the Options Bar select *Show Transform Controls*.
- ☞ Position the mouse pointer OVER the corner control point. Click and drag inwards to make the text smaller or outwards to make it bigger. .
- ☞ Position the mouse pointer ABOVE a control point. Turn the mouse to rotate the text. .
- ☞ To move the text, click anywhere on the letters, and drag the mouse. .
- ☞ When you like the words, click the *Commit transform* tool  on the Options Bar.



Are you having troubles moving the text? Try these ideas:

- Click the CTRL key and then drag the text.
- Click the *Move Tool*  and then drag the text.



Are you having resizing, rotating, or warping the text? Try these ideas:

- Select *Free Transform* from the Edit menu or press CTRL + T.
- Click the *Move Tool* . From the Options Bar select *Show Transform Controls*.



How to Edit Text After It Has Been Added

You may want to edit your text AFTER you have already clicked the *Commit Transform* tool. Follow the instructions below to make more changes!

- ☞ Select the text layer in the LAYERS panel.
- ☞ Select either the Horizontal Type Tool  or Vertical Type Tool .
- ☞ Click and drag over the letters to select the text. The Options Bar now displays tools to edit the text.



Save "Page 1" in a Scrapbook Page Folder

- ☞ From the File menu, select *Save As*. Click the *Save in:* arrow and go to the place where you save your work.
- ☞ Click the *New Folder* button. Name the folder **Scrapbook Pages**. **Double click** the folder to open it.
- ☞ Type **Page 1** in the *File name* box. Select *Photoshop* in the *Format* box.
- ☞ Click *Save*.

Close Photoshop

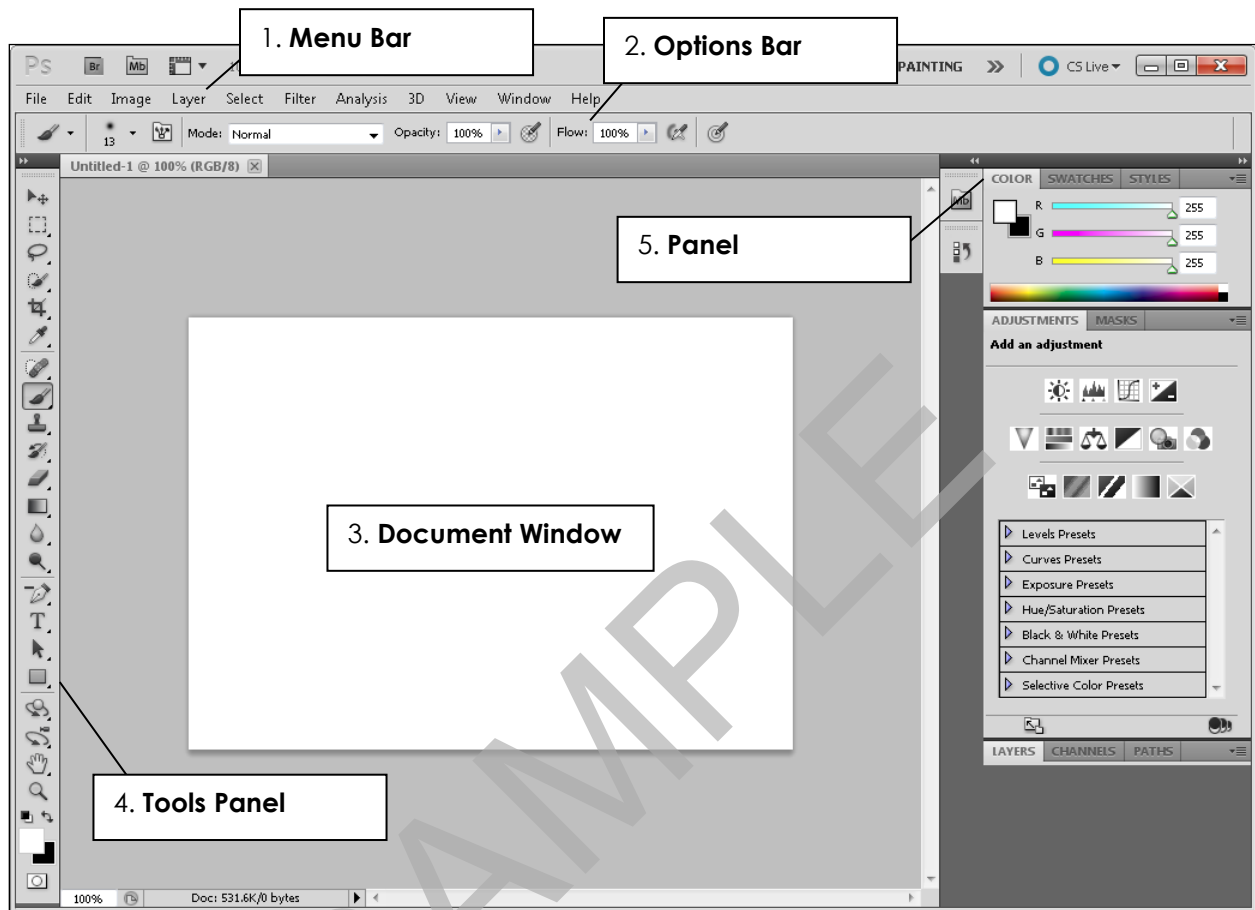
- ☞ Click the *Close* button to exit the program.

TIP: If a Photoshop Format Options box appears, place a checkmark in the *Maximize Compatibility* box and then click OK.



Session 2 Review: About Photoshop

Label the parts of the Photoshop Window.



/5

Match the term to its definition.

- | | |
|---------------------------|---|
| 6. <u>b</u> photoshop | a. A box containing tools used to select, add, edit, or move objects. |
| 7. <u>d</u> layer | b. A type of photo editing software. |
| 8. <u>a</u> tools panel | c. Effects used to transform the appearance of a picture. |
| 9. <u>e</u> control point | d. A see-through sheet that contains objects in a document. |
| 10. <u>c</u> filter | e. A point around an object used to adjust the size. |

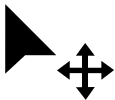



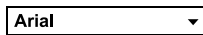
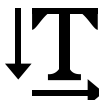



/5

Write a short answer for the question.

11. What did you learn about Photoshop that you did not know before?

/1

Match the tool to its function.

12. f  a. change the orientation of text: horizontal or vertical
13. g  b. warp the shape of text
14. d  c. set the font of text
15. h  d. apply edits made to text
16. c  e. add horizontal text
17. a  f. move an object
18. i  g. add vertical text
19. b  h. cancel the edits made to text
20. e  i. switch from free transform to warp mode

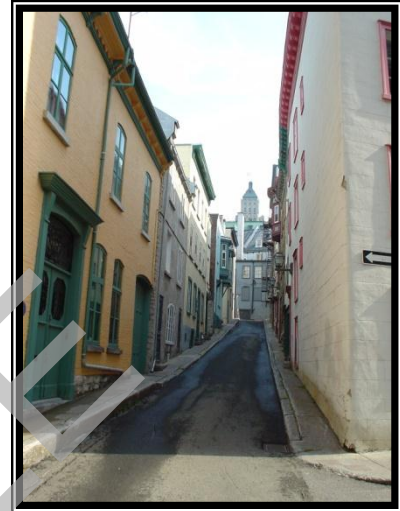
/9

TOTAL: /20

Session 2 Skill Review: The Art of an Urban Landscape

Take a photo of a building or street in your area. If you are unable to photograph your own urban landscape, use the *buildings* photo in the *Photoshop* folder. Then follow the directions to create a poster. Below are some tips for taking photos of buildings:

- 📷 *Rise and Shine:* Early morning is a great time to take a picture because there are less people on the streets.
- 📷 *Angle It Slightly:* If the building is square, angle the camera upwards slightly to keep the vertical lines straight. If you angle the camera too much, the building will look like it is leaning backwards.
- 📷 *Include Some Background:* If the building has a dome, include some background to have viewers appreciate the form.
- 📷 *Be Different:* Locate a view or angle that is different from the standard shot most people take.
- 📷 *Emphasize the Details:* Look for interesting patterns, shapes, textures, and reflections that highlight the details of the building.
- 📷 *Close-Up:* If the building is very large, you may wish to get closer to focus on a specific detail instead of the entire structure.



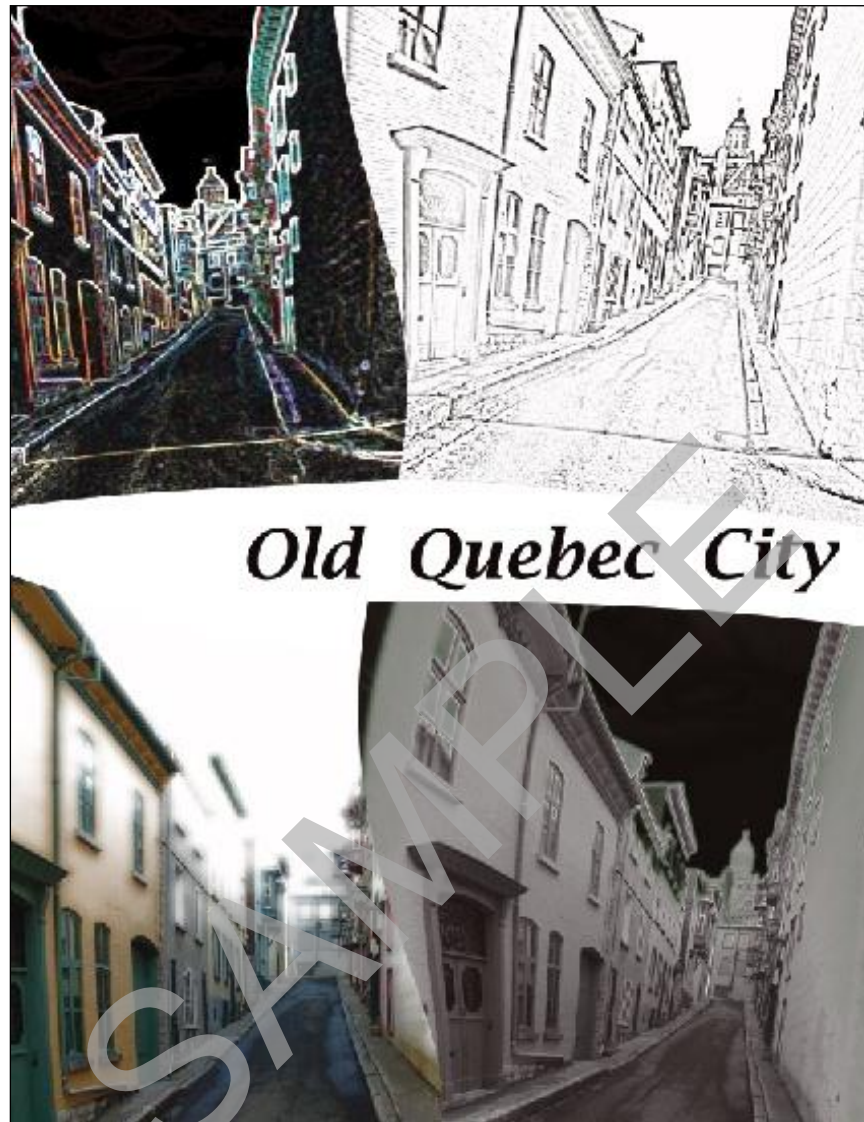
Transform a Photo using Filter Effects:

1. Open a picture in Photoshop. If you do not have one, then use the **buildings** photo in the *Photoshop* folder.
2. Create a copy of the photo using the *Duplicate* option on the Edit menu.
3. Use filter effects to create four pictures that look **different** from one another. Save each photo.

Create a Poster


4. From the File menu, select *New*.
5. In the New box, set the document options: Select *U.S. Paper* from the Preset box and *CMYK* from the *Color Mode* box.
6. Insert each picture using the *Place* option in the File menu. Resize, rotate, and warp each image.
7. Adjust the layers to create an interesting layout.
8. Using the *Horizontal Type Tool* **T** or *Vertical Type Tool* **↓T** add the **building, place or street name**.
9. Save the file as **poster**.

Sample of Completed Poster



Session 2 Extension Activity: Blurring the Background

You can make an object in the foreground stand out from the background by applying a blur filter effect. Try it!

1. Open Photoshop.
2. Open a photo of your choice or use the *girl* photo located in the *Photoshop* folder.
3. Create a duplicate of the photo.
4. Use the *Magnetic Lasso Tool*  to trace the outline of the object in the foreground:
 - Click to create a starting point.
 - To trace the object freehand, drag the mouse pointer around the outline of the shape.
 - To anchor a point manually, click the mouse button.
 - To delete a point you just added, click the DELETE key.
 - To draw a straight line, click the SHIFT key.
 - To complete the outline, click on the starting point.



HINT: The outline does not need to be perfect.

5.

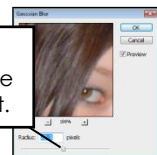


Notice how a dotted line now surrounds the background.

From the *Select* menu select *Inverse* or right click on the picture and from the menu choose *Select Inverse*. Now the background should be selected.

6. From the *Filter* menu, select *Blur*. Blur options that look the best are *Gaussian Blur* or *Motion Blur*. Select an option. Adjust the settings for the filter by dragging the slider to the right to increase the blur or to the left to reduce the blur. When it looks the way you like, click *OK*.

Drag the slider to the left or right.



7. To remove the selection box, select *Deselect* from the *Select* menu, or right click on the image, and select *Deselect* from the menu.
8. Save the picture as *Blurry Background*.
9. In the *JPEG Options* box, click *OK*.
10. Exit Photoshop.



TechnoChallenge:

Apply a filter effect to the foreground.

1. From the *Select* menu, click *Reselect* – now the background is reselected.
2. From the *Select* menu, click *Inverse* – now the foreground is selected.
3. Apply a Filter Effect to the foreground using the options on the *Filter* menu.