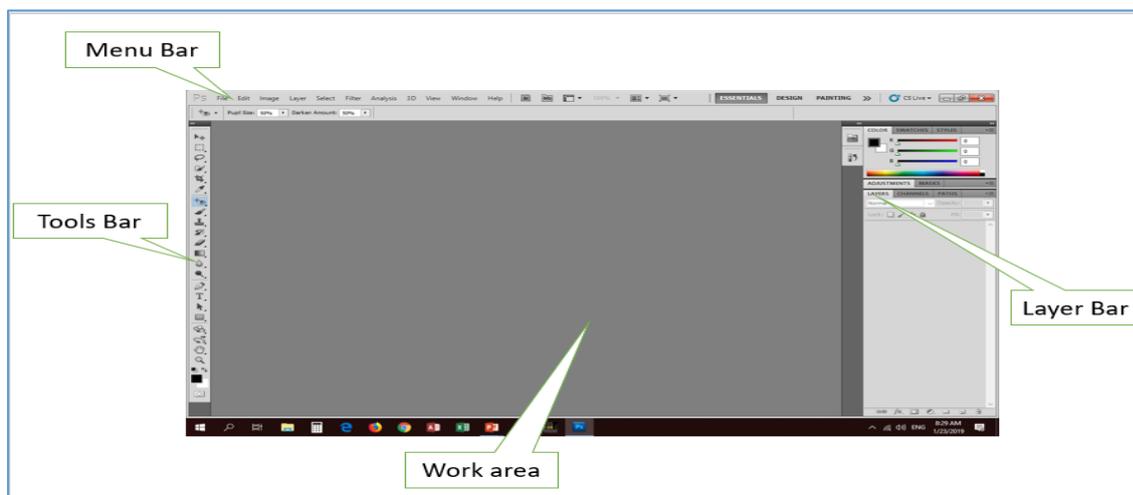


Revision Sheets for Final Exam – ICT

Grade 10

- Photoshop is Adobe's photo editing, image creation and graphic design software. The software provides many image editing features for raster (pixel-based) images as well as vector graphics. ... Photoshop is used by photographers, graphic designers, video game artists, advertising and meme designers.



- **Raster images** are constructed by a series of pixels, or individual blocks, to form an image. JPEG, GIF, and PNG are all raster image extensions. Every photo you find online or in print is a raster image. Pixels have a defined proportion based on their resolution (high or low), and when the pixels are stretched to fill space they were not originally intended to fit, they become distorted, resulting in blurry or unclear images.
- In order to retain pixel quality, you cannot resize raster images without compromising their resolution. As a result, it is important to remember to save raster files at the exact dimensions needed for the application.
- **Vector images** are far more flexible. They are constructed using proportional formulas rather than pixels. EPS, AI and PDF are perfect for creating graphics that require frequent resizing. Your logo and brand graphics should have been created as a vector, and you should always have a master file on hand. The real beauty of vectors lies in their ability to be sized as small as a postage stamp, or large enough to fit on an 18-wheeler!
- If you're not sure whether you have a vector version of your logo, here's a little trick for you: Call the company that printed your business cards or

the vendor that embroidered your logo on a shirt. Often they'll have a vector file of your logo that they can send to you for your records.

different types of pictures format:

- TIFF stands for Tagged Image File Format.
- JPEG stands for Joint Photographic Experts Group,
- GIF stands for Graphic Interchange Format.
- PNG stands for Portable Network Graphics.
- Raw image files contain data from a digital camera (usually).
- PSDs are files that are created and saved in Adobe Photoshop,
- BMP : Stands for Bitmap .

Adjust Color : Hue / saturation :

For **Hue**, enter a value or drag the slider until the colors appear as you want. The values displayed in the text box reflect the number of degrees of rotation around the color wheel from the pixel's original color. A positive value indicates clockwise rotation, a negative value counterclockwise rotation. Values range from -180 to $+180$.

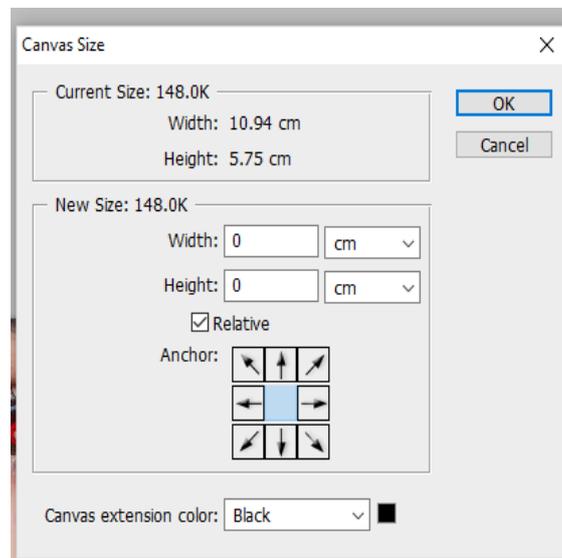
For **Saturation**, enter a value or drag the slider to the right to increase the saturation or to the left to decrease it. Values range from -100 to $+100$.

For **Lightness**, enter a value or drag the slider to the right to increase the lightness or to the left to decrease it. Values range from -100 to $+100$. Be careful when using this slider on an entire image. It will reduce the tonal range of the overall image.

Resize : Canvas size

Enter new values in the **Width** and **Height** text boxes.

You can also change the unit of measurement by using the pop-up menus. Select the **Relative check box** to be able to specify an amount of space for Photoshop to add or remove around your image. This feature is handy when you're adding or removing equal amounts of canvas around images with fractional measurements.

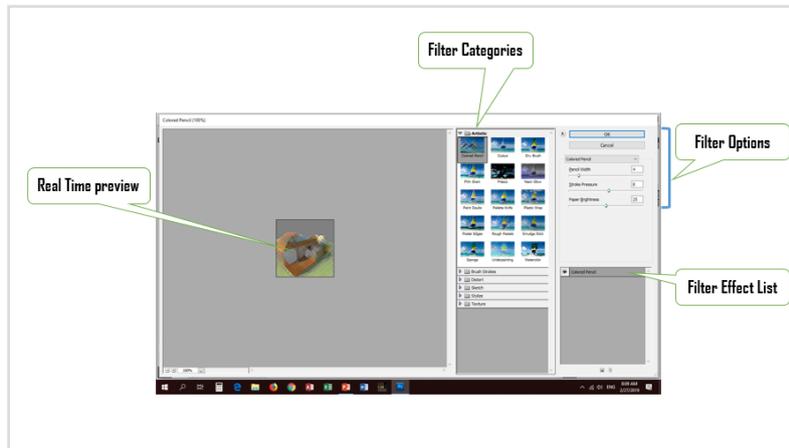


Elements of Design :

- **Form** refers to objects that are three dimensional in nature. A form has: height, width and depth.
- **color** is one of the most obvious elements of design, for both the user and the designer. It can stand alone, as a background, or be applied to other elements, like lines, shapes, textures or typography.
- Websites and graphic design do rely on the look and impression of **texture** on the screen, however. Textures can create a more three-dimensional appearance on this two-dimensional surface. It also helps build an immersive world.
- **Shapes**, geometric or organic, add interest. Shapes are defined by boundaries, such as a lines or color, and they are often used to emphasize a portion of the page.
- Negative **space** is one of the most commonly underutilized and misunderstood aspects of designing for the page.
- In drawing, a **line** is the stroke of the pen or pencil but in graphic design, it's any two connected points. Lines are useful for dividing space and drawing the eye to a specific location.

Filters :

- In Photoshop : filters are effects used to transform the appearance of a picture .
- We apply filters After taken the picture .
- There are many filter options .



- **Real-time Preview:** Shows what the list of filters will look like on your image. You can use the controls in the lower left to make the preview larger or smaller.
- **Available Filters:** Click the triangle next to each folder icon to expand the folder and reveal the filters inside.
- **Filter Options:** You can control the settings of each filter you are using here. Whatever filter is selected in the list is the one you can adjust here.
- **List of Filters:** Use this list to control which filters you are applying and in what order. Drag a filter up or down in the list to change its order (the top filter is applied first). Click the Eye icon once to hide a filter's effect in the list, and click it again to show the effect. Click the trash icon at the bottom to remove the selected filter from the list, or click the page icon at the bottom to add another filter to the list.

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

Some Filters :

- ✚ Lens Correction
- ✚ Liquefy
- ✚ Vanishing Point
- ✚ Artistic filters
- ✚ Blur filters
- ✚ Brush Stroke filters
- ✚ Distort filters
- ✚ Noise filters
- ✚ Pixelate filters
- ✚ Render filters
- ✚ Sharpen filters
- ✚ Sketch filters
- ✚ Stylize filters
- ✚ Texture filters