

Digital Photo Basics

Path to our files today: G:/Data on EST – Student Work – Digital Images Dec 5

Pixel = an individual dot of color in an image

Resolution = how many pixels wide and high an image is



Standard Image Sizes: 640x480, 800x600, 1024x768, 1600x1200

Guidelines:

1. More Resolution = more quality but bigger files (less fits on a disk)
2. For PowerPoint, 640x480 is enough

If you are printing photos, the more resolution the better the quality

Change resolution on Sony Camera: Camera on, Press MENU button, select File – Image Size

 JPEG (Joint Photographic Experts Group) <ul style="list-style-type: none">• retains 24 bit color (millions of colors).• extension is .jpg• Can compress JPEG up to 4:1 (lossy compression, some detail may be lost)• Can compress in PhotoShop.	 GIF (Graphics Interchange Format) <ul style="list-style-type: none">• developed by Compuserve.• extension is .gif• Limited to 8 bit color palette (256 colors)• Needs to be in INDEXED COLOR format• Best for simple graphics 3 variations of GIF: transparent, animated, and interlaced
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Photoshop Basics:

Path: START – Programs – Adobe – PhotoShop 6.0 Tryout – PhotoShop 6.0

(Network path to PhotoShop “Elements” Trial Installer:


G:/Data on EST – Student Work – Digital Images Dec 5 – PhotoShop Elements – Setup

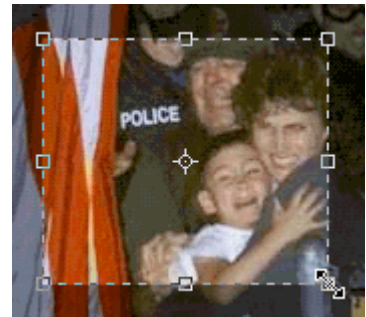
Open a File – File -> Open

Rotate an Image: Image -> Rotate


Resize an Image: Image -> Image Size

Crop an image in PhotoShop:

1. Open the image you want to crop.
2. Click on the crop tool in the toolbar, under the lasso: 
3. Click and drag on the image to define the part you want to KEEP. As a technique, click in the upper left corner first and then drag down, to the right.
4. Stretch the crop region "handles" (the boxes in the corners and on the sides of the selected area) as desired:
5. Press ENTER to crop the photo as selected.



Add Text:

1. Click on the Type Tool ()
2. Click on the image where you want the text to go
3. Select desired font and size at the top of the screen
4. Type your text

Move Layers: In the Layer Palette (lower right corner) click and drag layers to move order

Increase Canvas Size to make a collage: Image -> Canvas Size

Save a Copy (ALWAYS IN JPG or GIF format):

1. File -> Save for Web
2. Choose file format (JPG or GIF) in upper right corner – with JPG select quality also
3. Click OK, choose filename and location (on network or hard drive)