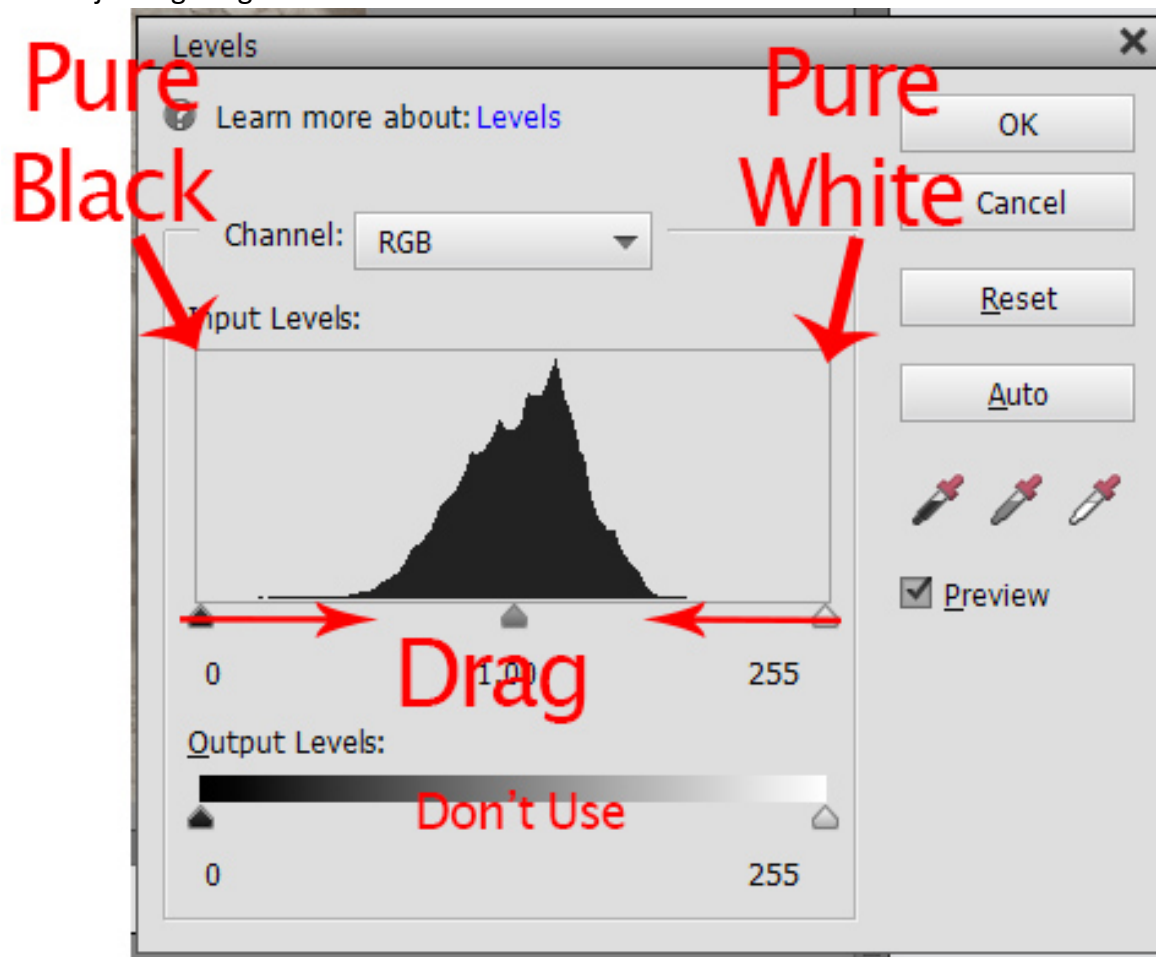


Photoshop Elements for Beginners

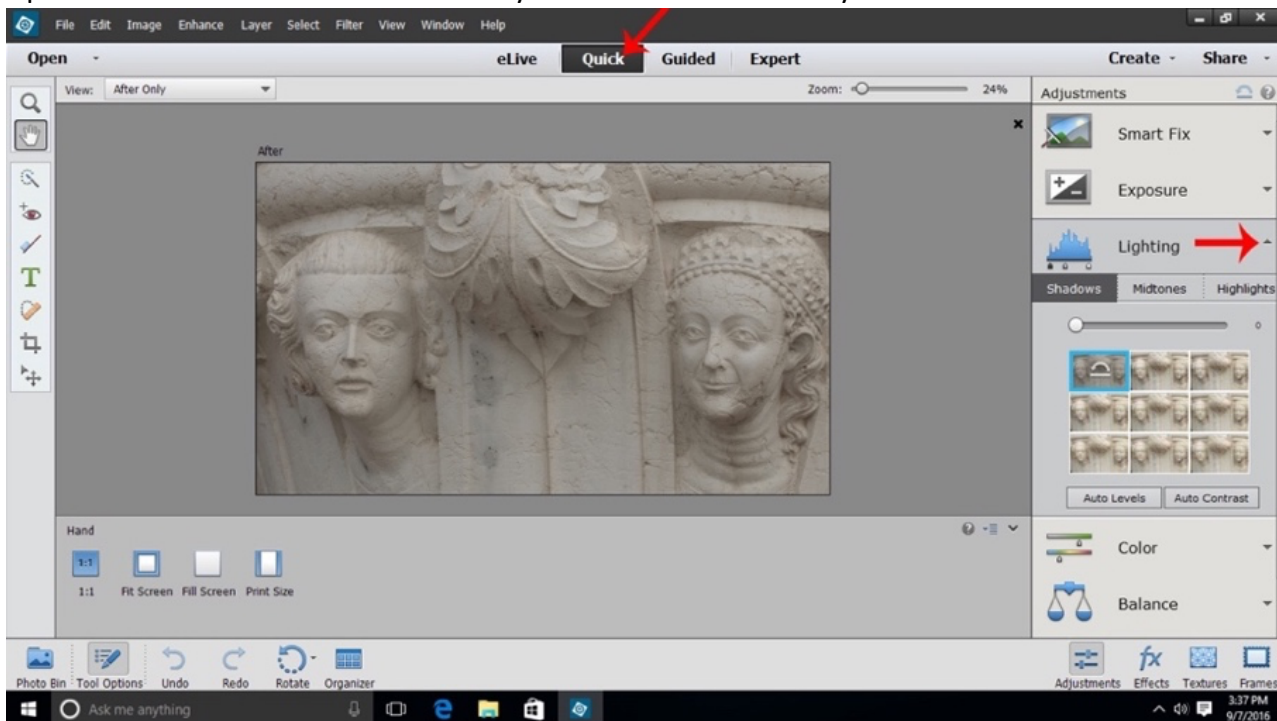
Week 2 of 5: Adjusting Color, Red Eye, Raw, Profiles, Spots

- 1) **Start your computer** (if needed), login (username photo, password photo123) , launch Photoshop Elements, select “Photo Editor”. See class #1 notes for more info. Make sure you are in the “Expert” mode (near top center of screen).
- 2) Improving **Faded or Overexposed**. Open file “02-sculpture.jpg”. Go to the “Enhance” menu and click “Adjust Lighting” And then “Levels”.

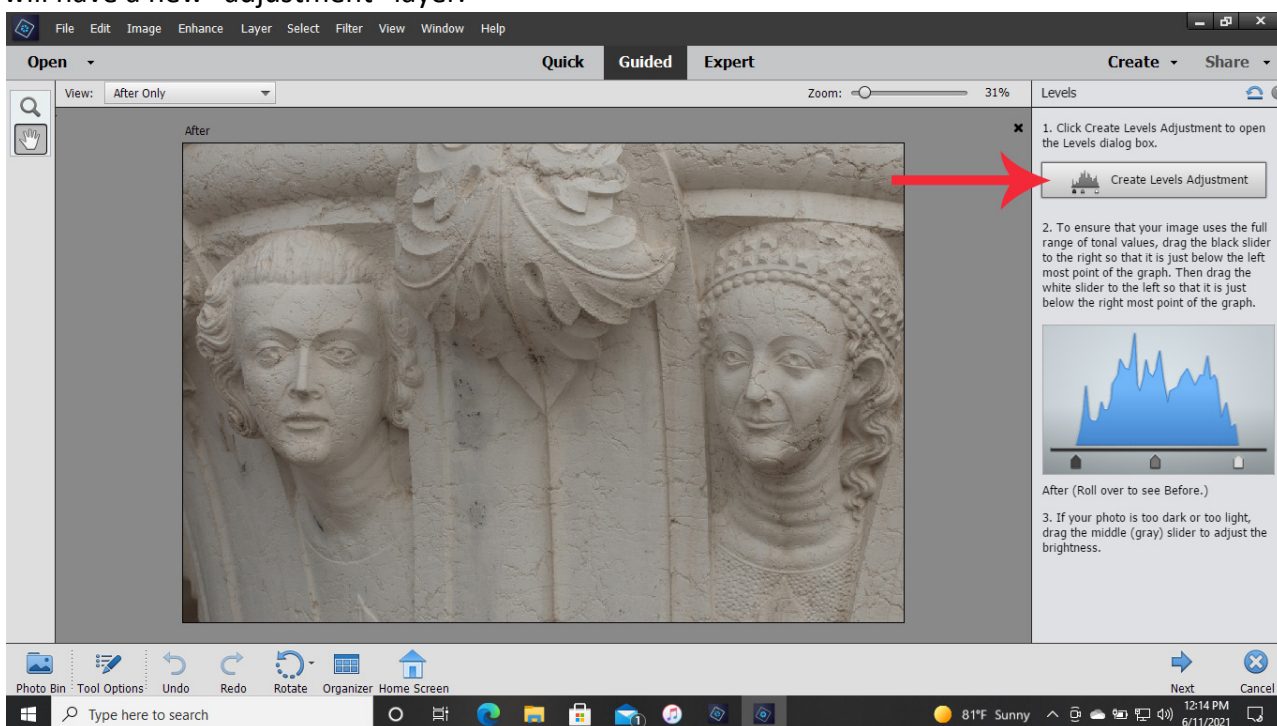


Notice that there is no data in the histogram on either the right or left. This is typical of a “low contrast” or “faded” image. Move both the black triangle (towards the right) and the white triangle (towards the left).

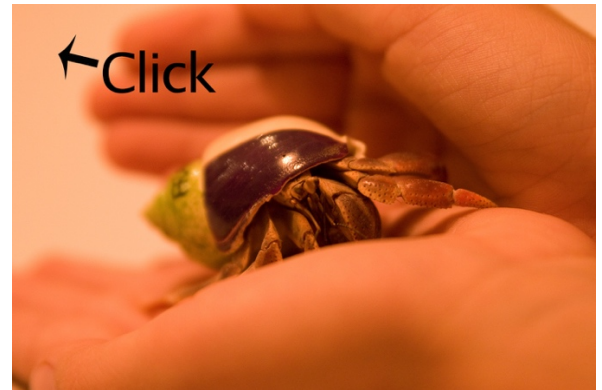
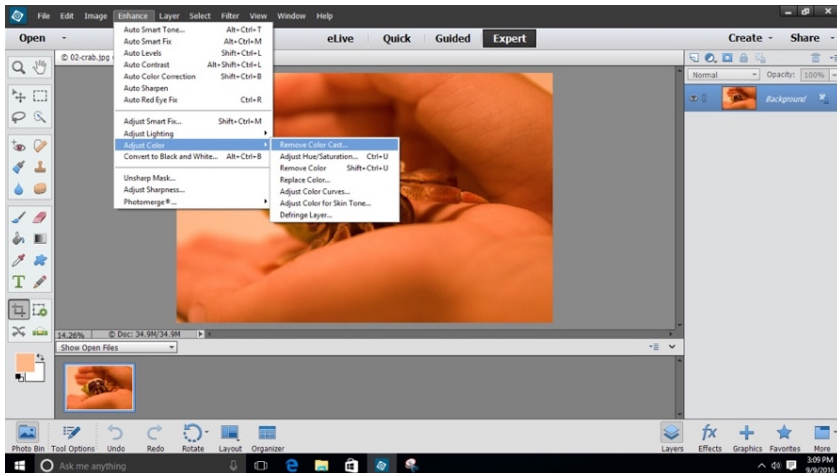
3) Working with Levels in Quick or Guided mode. Go to the “Edit” menu and click “Revert”. This removes the changes you made above. Switch to “Quick” mode (near the top center of your workspace). Open the “Lighting” panel (on left) and click “Auto Levels”. Note that there are nine thumbnails for nine alternative “quick fixes”. You can see and select any of the thumbnails with your mouse



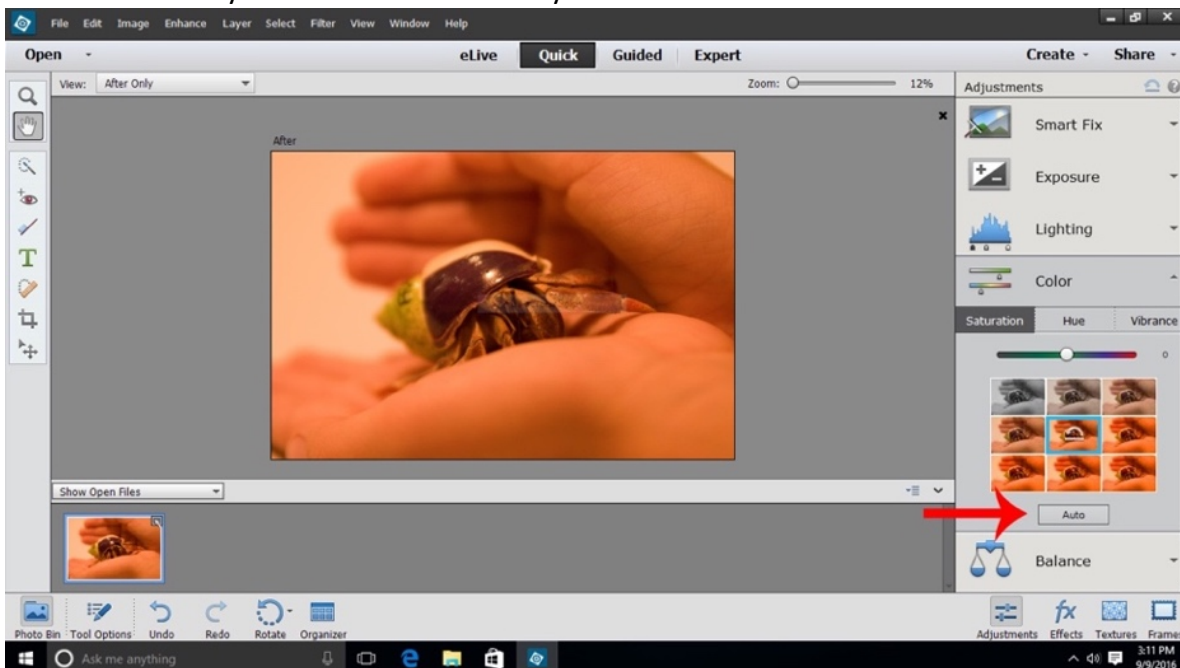
Go to the “Edit” menu and click “Revert”. This removes the changes you made above. Switch to “Guided” mode (near the top center of your workspace). Open the “Levels” panel. In the next window select “Create Levels Adjustment”. Move the black slider to the left edge of the histogram data, then move the white slider to the right edge of the histogram data. Click “OK” and then “Expert” and then “Save”. In “Expert” mode you will have a new “adjustment” layer.



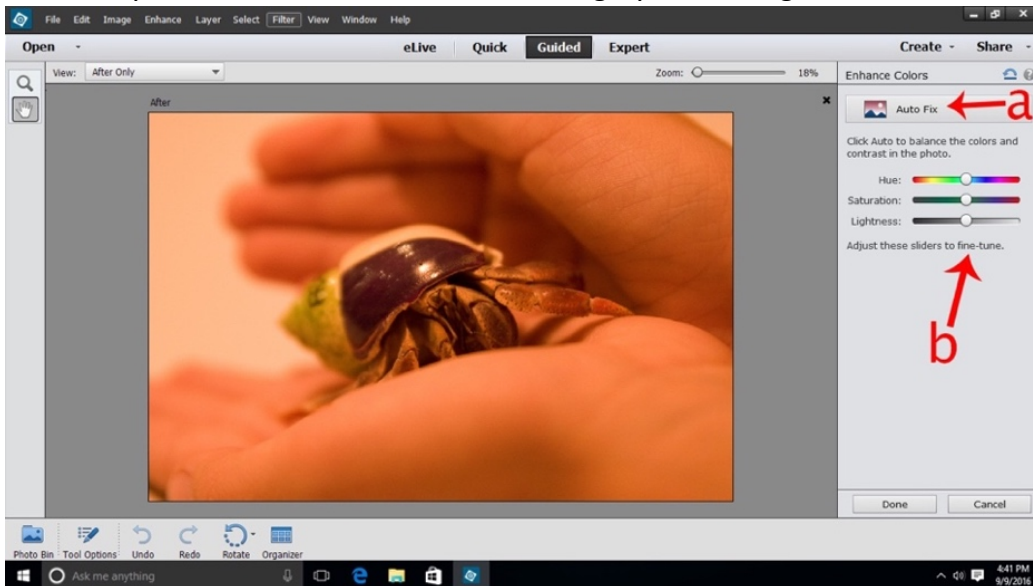
4) Working with Color Correction. Open file “02-crab.jpg”. Switch back to “Expert” mode . Go to the “Enhance” menu and click “Adjust Color” And then “Remove Color Cast”. For this feature you need something **white or gray** to click on. Use the background (white wall) in the upper left of the crab image.



5) Working with Color in Quick or Guided mode. Go to the “Edit” menu and click “Revert”. This removes the changes you made above. Switch to “Quick” mode (near the top center of your workspace). Open the “Color” panel (on left) and click “Auto”. Note that there are nine thumbnails for nine alternative “quick fixes”. You can see and select any of the thumbnails with your mouse.

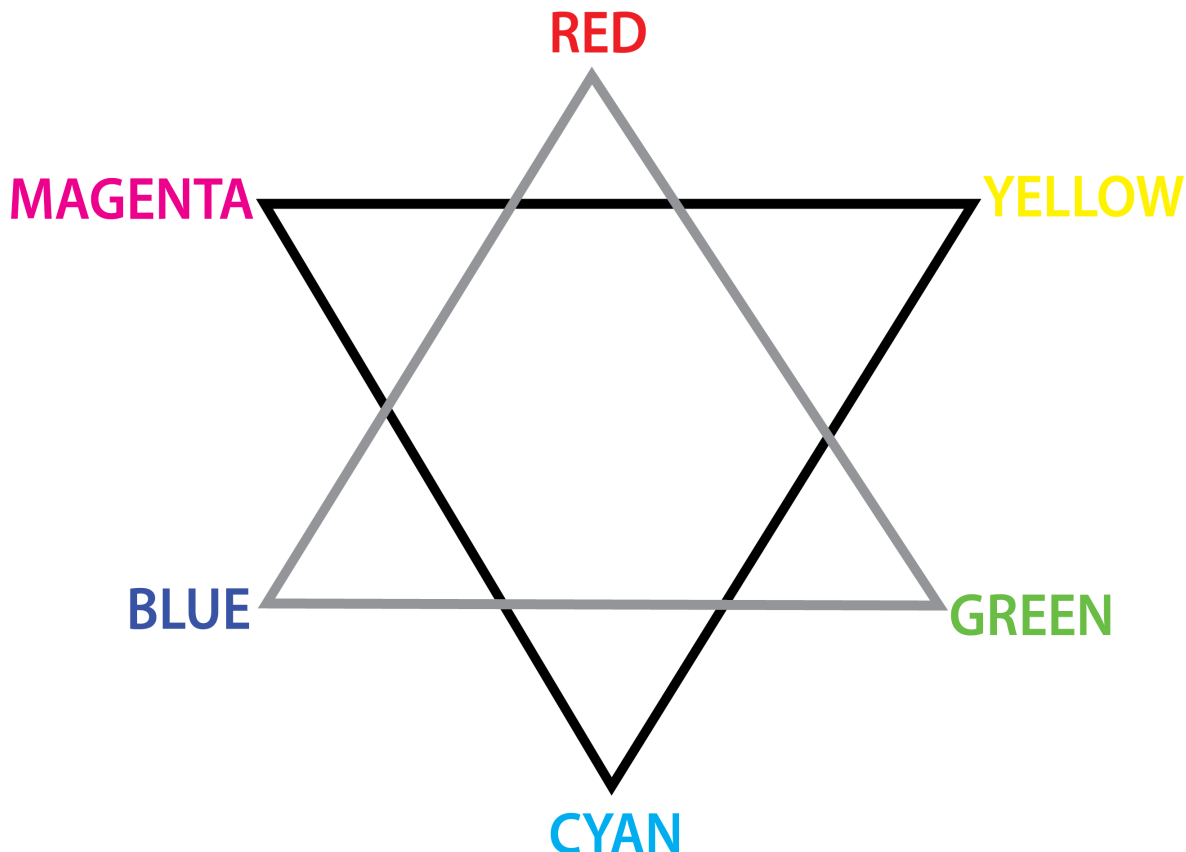


Go to the “Edit” menu and click “Revert”. This removes the changes you made above. Switch to “Guided” mode (near the top center of your workspace). Select “Correct Skin Tone” . Click on a typical skin tone. In the next window adjust any or all of the three slides to taste (minor changes are usually best). Note that for “Guided” you need a skin tone, rather than a gray/white target.

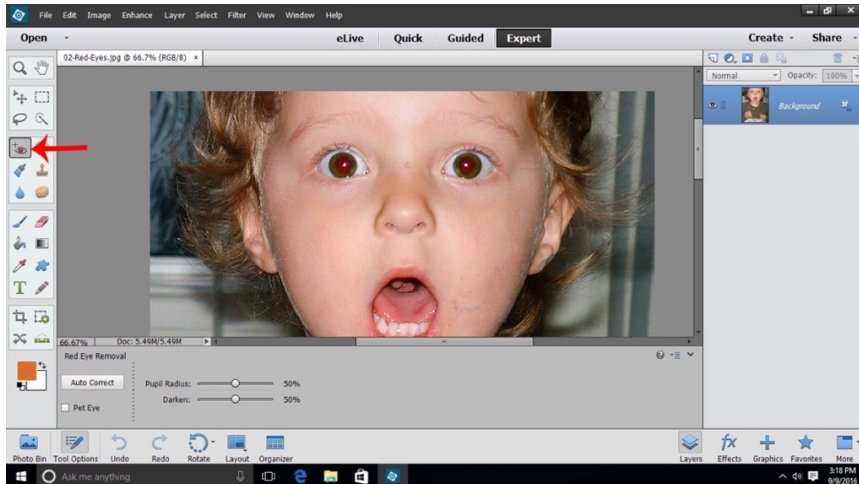


6) Manual color correction (best method)

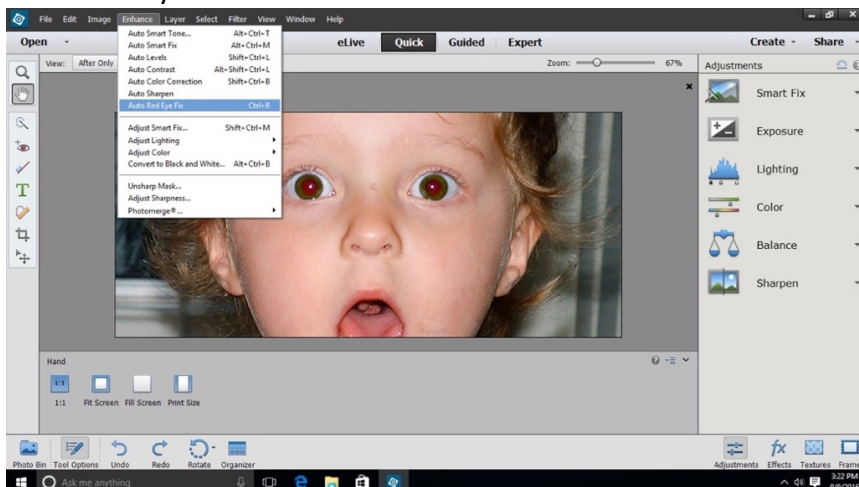
1. Open image 02-WhiteBalance1.jpg
2. Make sure you are “Expert Mode”
3. Select Enhance>Adjust Lighting>Levels.
4. Note that the image is too Yellow. Note that yellow and blue are opposite each other in the color diagram below. Switch the Levels “Channel” to “Blue”.
5. Adjust the middle “gray” slider until the image appears neutral.



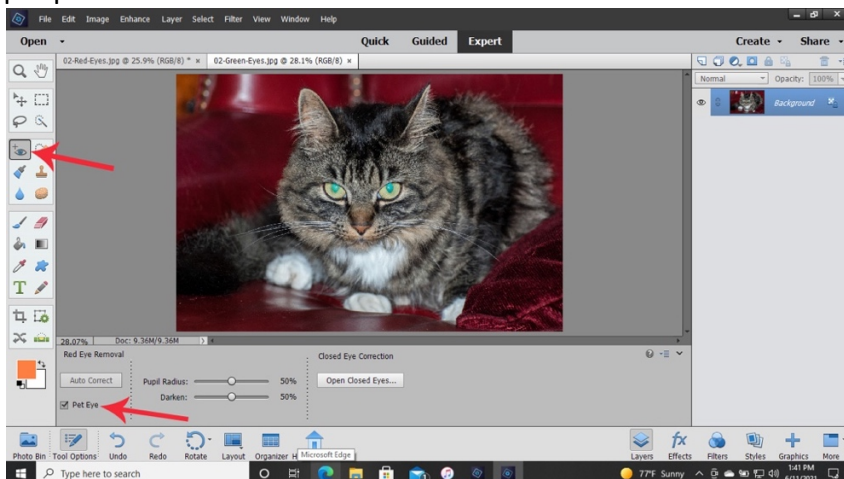
7) Red Eye Open file “02-Red-Eyes.jpg”. Switch to “Expert” mode. Use the magnify tool to zoom in to the eyes (use the hand tool if needed to center the eyes). Select the “Red Eye Tool” from the tool bar on the far left (looks like an eye). Click once on each red eye.



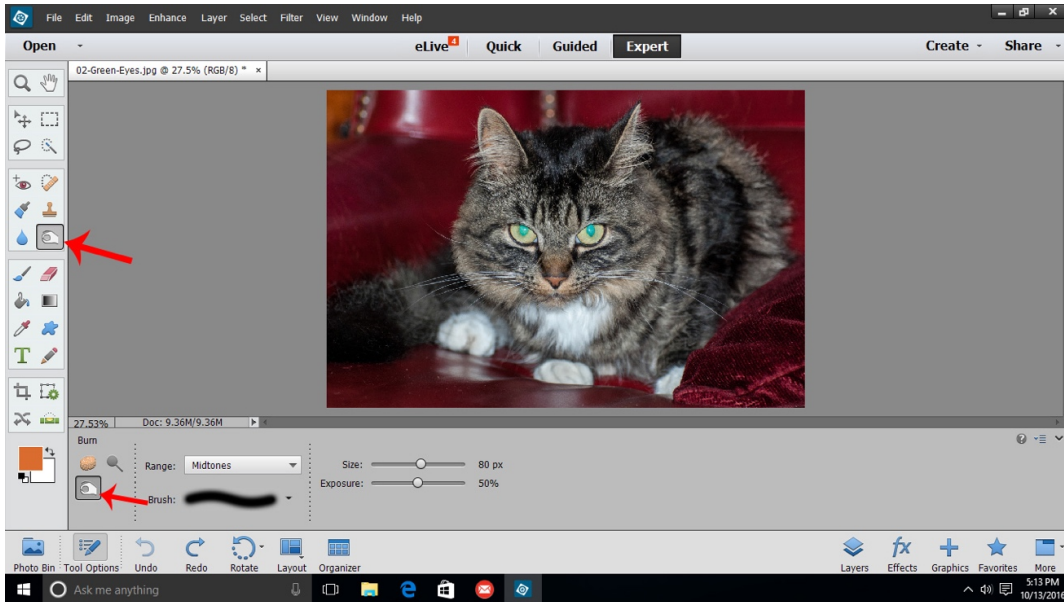
Working with Red Eye in Quick mode: Go to the “Edit” menu and click “Revert”. This removes the changes you made above. Switch to “Quick” mode (near the top center of your workspace). Go to the “Enhance” menu and then “Red Eye Fix”.



Open file “02-Green-Eyes”. Switch to expert mode and select the red eye tool. Note that it doesn’t work on a pet eye until you click the “Pet Eye” button in the tool options. Remember that this setting will not work on people!



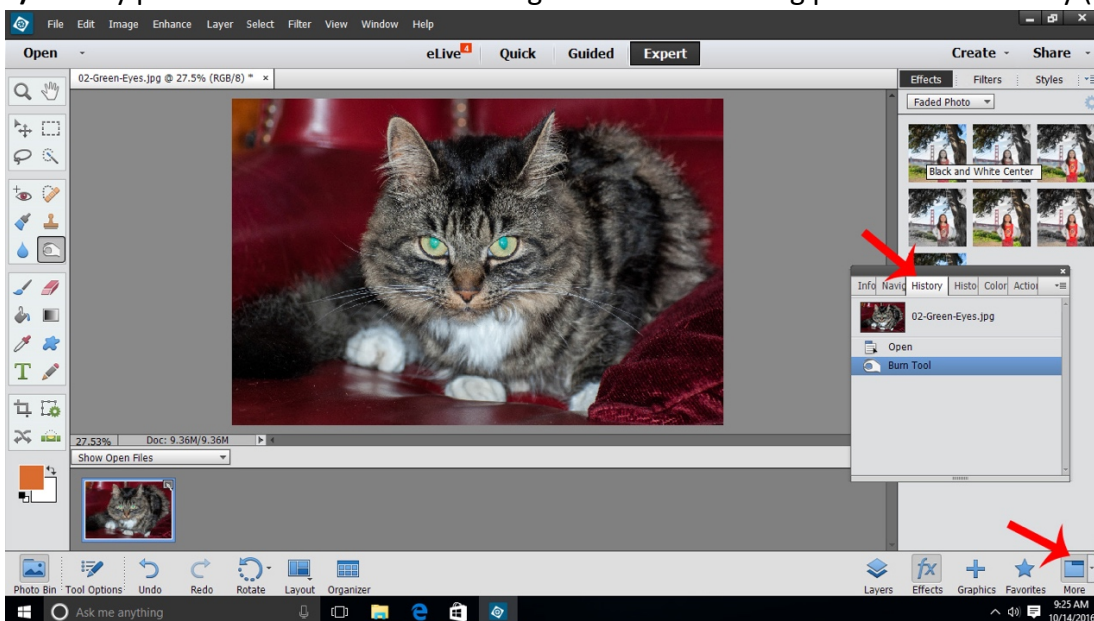
8) Local adjustments are possible using the burn, dodge and sponge tool, Go to the “Edit” menu and click “Revert”. This removes the changes you made above. “Burn” darkens, “Dodge” lightens and “Sponge” changes color saturation. We will use the burn and sponge tools



Use the “bracket” keys to adjust your brush size.



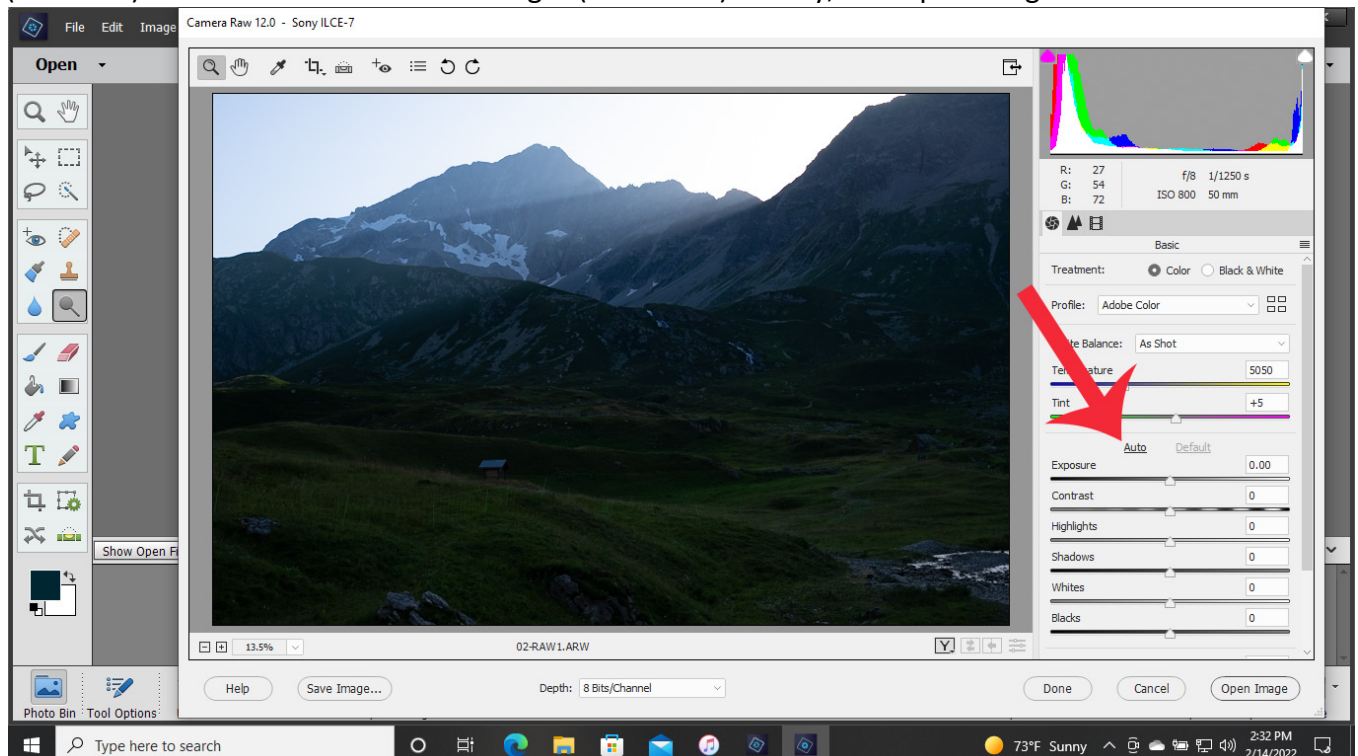
9) History panel. Click “More” in lower right to launch floating panel. Select history (not histogram).



10) Raw Files and ACR. Most folks use JPG file format on their camera. Jpgs are easy to share and have a small file size. But they are 8-bit files (limited range of brightness to shadow can be held) and use “lossy” compression (slight damage each time it is saved).

For these reasons some photographers use “Raw” files, a proprietary (to your camera) file format in 10 to 14 bits (holds much more range of brightness to shadow), can be adjusted far more significantly than a JPG and has no compression (really big files, but great quality). Raw files are not easily sharable, in general each and every image you want to use or share MUST be first adjusted in Elements and then converted to a sharable format (JPG, TIFF, PSD).

- a) Open the file “02-RAW1.ARW. This is a Sony RAW file.
- b) Your image will open in a dialog box called ACR (Adobe Camera Raw).
- c) Notice the histogram, the data is hitting the far left (pure black) side. In a jpg file, this would be unfixable pure black.
- d) Move the “Exposure” slider to the right (about +1.35), highlight slider to the left (about -75), shadow slider to the right (about +20), whites slider to the left (about -20), blacks slider to the right (about +5) and saturation slider to the right (about +10). Finally, hit “Open Image”.



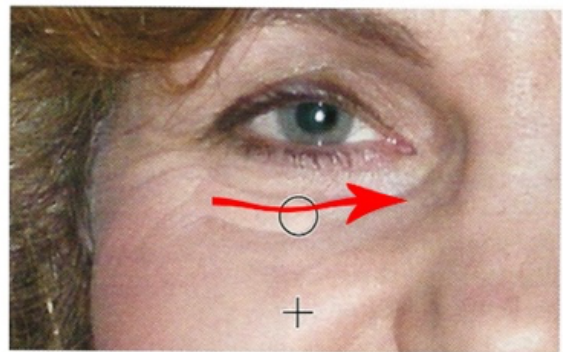
- e) Adjusted Raw file is then transferred to the typical Elements workspace, where you can further adjust and/or save the file as a JPG, PSD, PNG, etc.

10) Removing spots is something many of us want to do with our photographs.

- a) Open file 02-SpotsWrinkles.jpg if needed.
- b) If needed, switch to "Expert" mode.
- c) If needed, make the "Layers" pallet visible by going to the "Window" menu and selecting "Layers".
- d) Use the zoom tool, in the toolbar, to enlarge the view to just show the face and shoulders. If needed use the hand tool to center the face.
- e) Click on the "Spot Healing Brush" in the toolbar (looks like a band aid). Make sure the Tools Options (near the bottom of screen) is set to "Spot Healing Brush", not "Healing Brush".
- f) Notice that there are a number of freckles/blemishes. Set the Brush size on the "Spot Healing Brush" to be just larger than the blemish and then simply "click" on the blemishes to remove them. Do not close file, we will continue to work on the same image.

11) Removing wrinkles is something many of us want to do with our photographs.

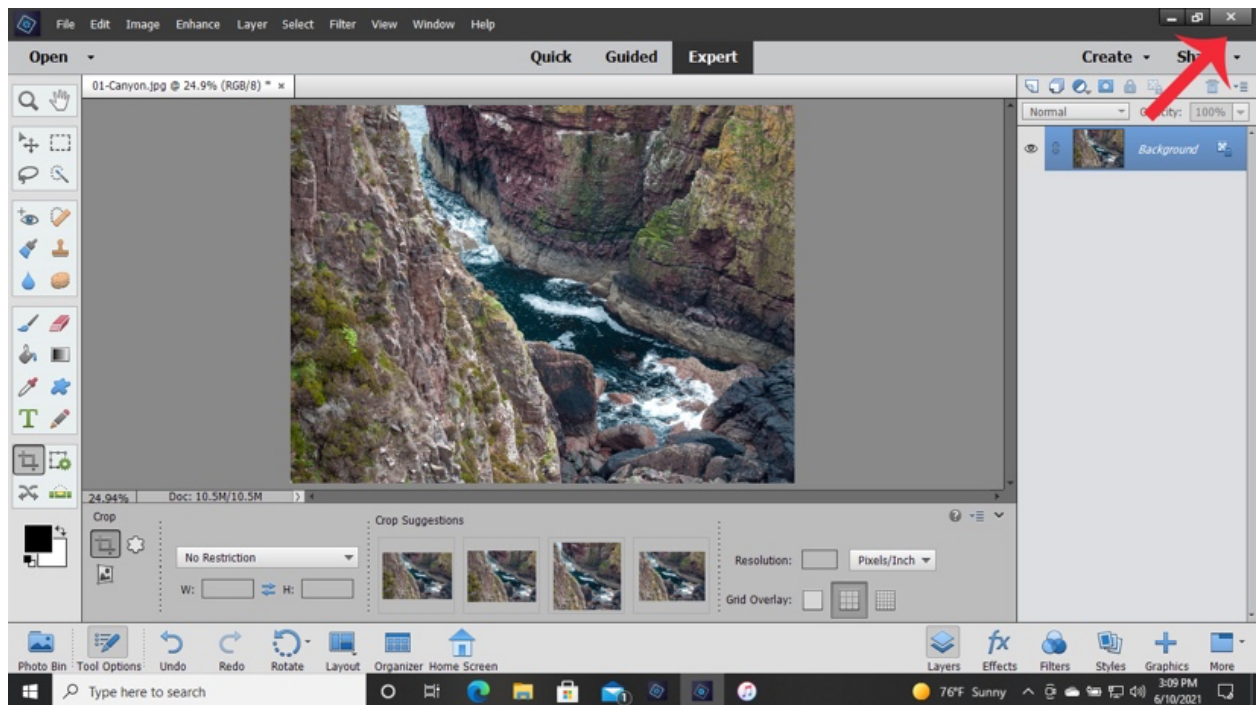
- a) In the layers panel, drag the background layer up to the "New Layer" symbol (looks like a folded piece of paper) to make a copy. Make sure that the new copy is active (has a blue background) in the layers pallet.
- b) Switch to the "Healing Brush Tool" in the tool options panel. Set your brush size to 20px. Aligned to off, Source to samples and mode to normal.
- c) First you must select a "source" area of the face to use as an appropriate match. "Alt+Click" (Option + Click on Mac) on the smooth area of the left cheek (see example below), Release the alt key (Option on mac) and drag below the eye to remove wrinkle.



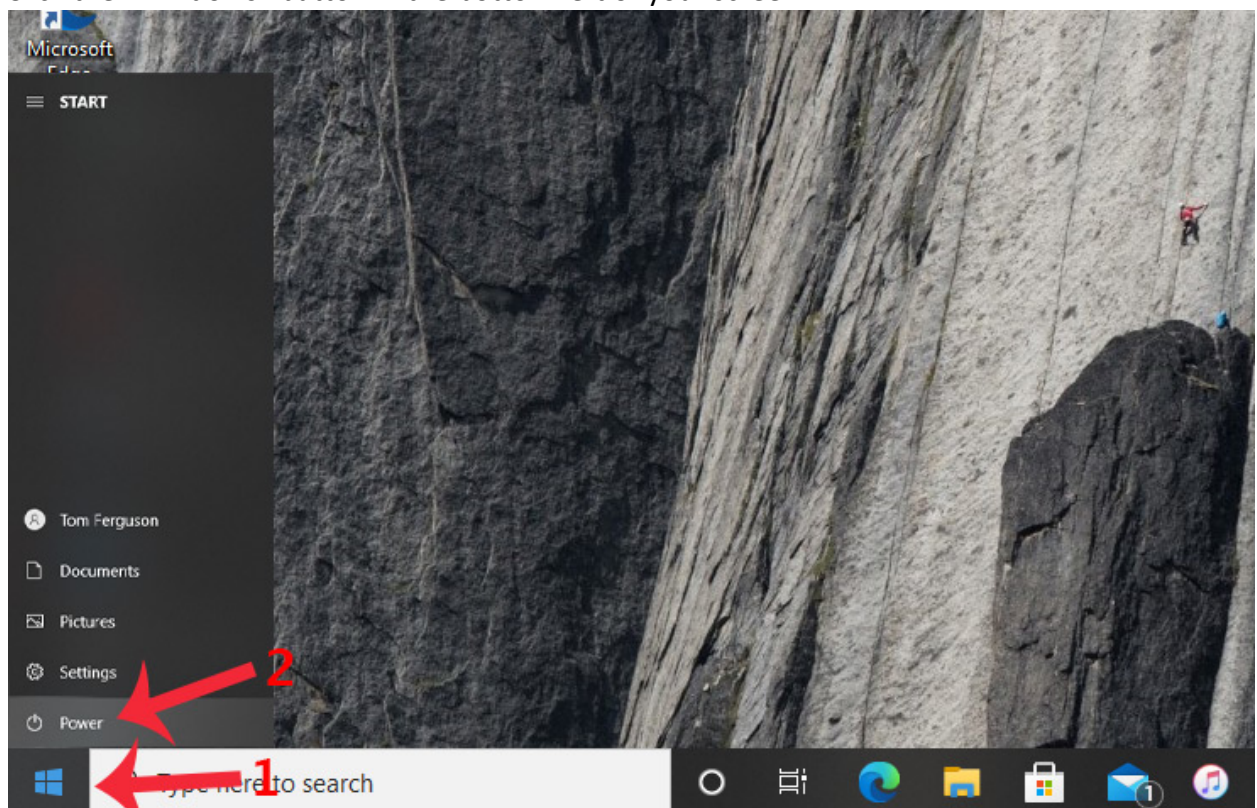
- d) Continue to "Alt + click" to select new sources and then drag to remove other wrinkles. Do not drag into eyes or hairline.
- e) When you are finished, use the layers panel to switch the current (copies) layer to "Lighten" mode and Opacity to 80%. This give a more realistic image.

12) TURN OFF COMPUTERS

- a) Click the “X” in the top right of the Elements window. This closes the Elements program. **If asked to “Save” any image, select “No”. IMPORTANT, PLEASE DO NOT SAVE ANYTHING TO THE SCHOOL COMPUTERS!**



- b) You may need to click the “X” in the top right of the “Welcome” window as well.
c) Click the “Windows” button in the bottom left of your screen.



- d) Select “Power” and then “Shut Down”. That turns the computer off, please leave the monitor on.

HOMEWORK: Before and after portrait.