

**GFNDG107 DIGITAL PHOTOSHOP COURSE
SUBMISSION**

ROLL NO - BDES2020050

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COURSE SUBMISSION.

LIST OF ASSIGNMENTS

- Assignment 1

- Retouching image (Food dish)

- a) Retouch

- b) writeup

- Assignment 2

- Atmospheric Perspective Composition (mixing 5 images)

- Assignment 3

- Insect low poly

- Spot Assignments

- a) 5 questions

- b) Color image - Warm and Cool

Assignment 1

Retouching & colour correction

Food Dish

Original photo -



Original Picture -



Assignment created in photoshop -



Assignment 1 created with Photoshop -



In order to tune the image take first I imported the image. Then went to its properties and selected the parameters I wanted to change. The parameters include levels, curves, black and white, hue, saturation, etc. Then I added a gradient over the image by going into the effects menu and adding a gradient overlay. I took a a gradient from a site called gradient.com. they offer some really nice free to use gradient

Assignment 2 - Atmospheric Perspective

Mixing 5 Images

Assignment 2 - Original Photo



Assignment 2 - Created with Photoshop



Assignment 2 - Write up

I wanted to exaggerate the theme of 2020 in my composition so I decided to make a apocalyptic scene. First I created a horizontal A4 document. I opened the image that I had selected as the background and moved it and placed it on my A4 base layer. Then I started cutting out other elements of my composition such as myself and the robots. Once I was done with that I replaced the sky in my image with a photo of a stormy sky that I took during a recent thunder-storm in my city and made a layer mask over the buildings in doing so. After that I adjusted the levels of the whole image making a bit darker overall. Then I added the robot which was meant to furthest away from the observer. I added another layer over the robot and color over it with the darkest color in the robot's vicinity. Then I clipped this layer to the robot and changed the blend mode to lighten making the shadows in robot match the shadows in picture. I did this for all the elements in the composition, varing the layer's opacity to give the effect of depth to my composition.

Assignment 3

Low Poly

Insect low poly

Original photo -



Assignment created with photoshop -



Assignment created with Photoshop -



Assignment 3 write up

-

Step 1. Open Stock Image in Photoshop & Unlock the Background

Step 2. Select the Entire Figure

Select the Polygonal Lasso Tool and start outlining the subject of your portrait.

Step 3. Open in a New Photoshop Document

When you finish creating the outline, you will notice a moving dotted line surrounding your subject. This is the selection area. Cut this selection (Command/Ctrl + X) and paste into a new document.

Step 4. Make a Triangular Selection

Select your subject's layer. Make sure that the Polygonal Lasso Tool is still selected, and pick an area to draw a triangle. For each of your triangles, you want to select areas that have similar coloring. Now, draw your triangular selection.

Step 5. Filter the Selection

With the triangular area selected (you should see the moving dotted line), select Filter > Blur > Average. This creates an average of all of the colors within your selection area.

Once the selection area is “averaged,” you can draw your next triangle. Make sure that one side of your triangle lines up with one side from the original. This will prevent any gaps between triangles.

Now that you've already used the Average command once, you can simply hit (Ctrl + Alt + F on PCs) on your keyboard. This keyboard shortcut repeats whichever filter was last used.

Step 6. Repeat

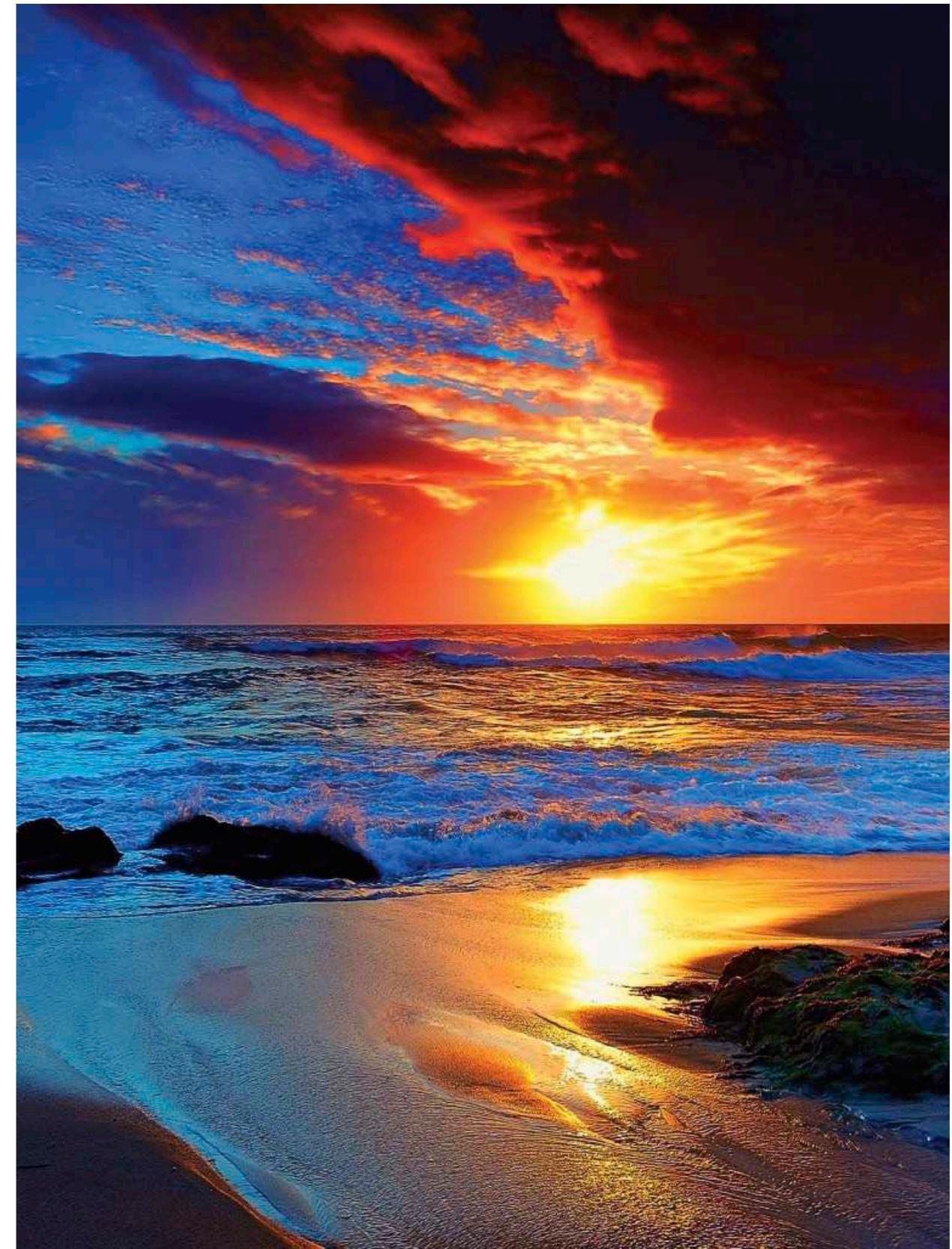
Spot Assignments -

- a) Five questions
- b) Colour image - Warm and cool

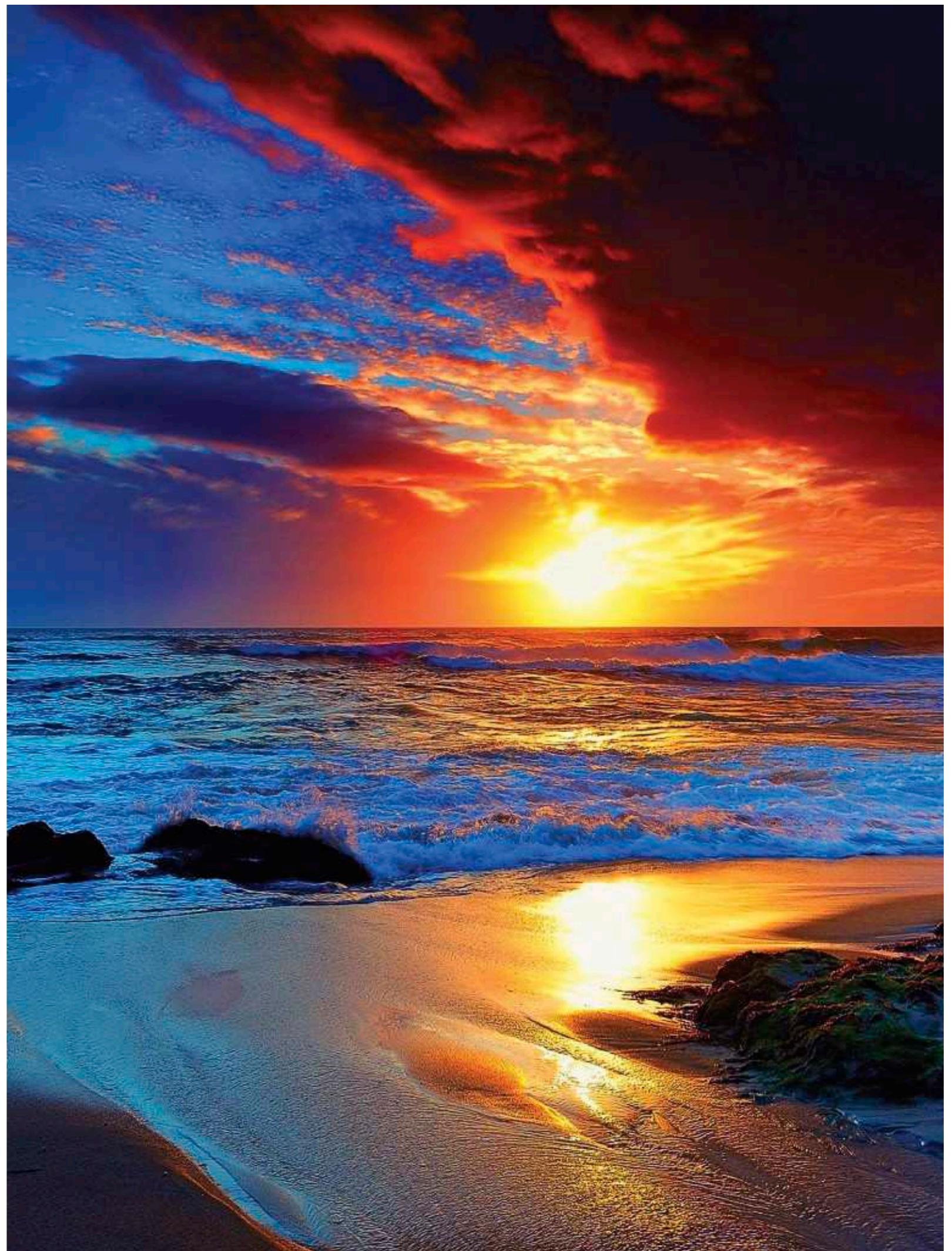
Original Photo -



Assignment created in Photoshop -



Assignment created in Photoshop -



1.What is Megapixel

A megapixel means one million pixels. The resolution of digital cameras and camera phones is often measured in megapixels.

2.What is 2k and 4k resolution and their sizes

2K resolution is a generic term for display devices or content

having horizontal resolution of approximately 2,000 pixels.

Its resolution size is 2048×1080 .4k resolution means having 3480 horizontal pixels .

Its resolution size is 3480×2160 .

3.What are 32 bit images/ what is HDR

There are basically 3 channels in an RGB image, so that's like 24 bit, 48 bit, 96 bit respectively. ... 32 bit often refers to 24 bit, though 32 bit is actually 8 bits per channel, with an extra “alpha” channel (for transparency).

32-bit images (i.e. 96 bits per pixel for a color image) are considered High Dynamic Range. 32-bit is meant for when you need HDR (high dynamic range). And indeed, switching to 32-bit in Photoshop will change it to a HDR document (so it's conceptually different than going between 8/16 bit).

Think of HDR as it allowing pixels to be brighter than 100% white, and darker than pure black. Retaining all that information, allowing you to adjust exposure. This is vital when doing e.g. 3D compositing. It is also always using a linear gamma for more realistic blending. This is also good to demonstrate by doing two adjustments, first one that brightness/darkens things until they go white/black, then with a 2nd adjustment you can still bring the information back into the visible range (if we have HDR).

4. Gather information about JPEG,GIF,PNG,TIFF,EPS,PDF

JPEG- A JPEG is a standardized lossy compression mechanism for digital images.

Digital cameras compress raw photographs as JPEG images to make the files smaller in size.

It is the most common file format for photo storage. Mechanism for digital images.

Digital cameras compress raw photographs as JPEG images to make the files smaller in size.

It is the most common file format for photo storage. Because the human eye isn't that great at seeing lots of brightness differences over a small area, JPEG compression can reduce photos down to just around 10% of their uncompressed file size with very little loss of perceptible quality.

GIF – Stands for “Graphics Interchange Format.” GIF is an image file format commonly used for images on the web and sprites in software programs. Unlike the JPEG image format, GIFs uses lossless compression that does not degrade the quality of the image. However, GIFs store image data using indexed color, meaning a standard GIF image can include a maximum of 256 colors. GIFS are seen on whatsapp all the time so go back for examples.

PNG – PNG stands for “Portable Graphics Format”. It is the most frequently used uncompressed raster image format on the internet. This lossless data compression format was created to replace the Graphics Interchange Format (GIF). PNG file format is an open format with no copyright limitations. Like GIF images, PNG also have the ability to display transparent backgrounds. In addition to that, PNG files are capable of containing 24bit RGB color palettes and greyscale images.

TIFF – Tagged Image File Format (TIFF) is a variable-resolution bitmapped image format developed by Aldus (now part of Adobe) in 1986. TIFF is very common for transporting color or gray-scale images into page layout applications, but is less suited to delivering web content. TIFF files are large and of very high quality.

Baseline TIFF images are highly portable; most graphics, desktop publishing, and word processing applications understand them. The TIFF specification is readily extensible, though this comes at the price of some of its portability.

Many applications incorporate their own extensions, but a number of application-independent extensions are recognized by most programs.

Four types of baseline TIFF images are available: bilevel (black and white), gray scale, palette (i.e., indexed), and RGB (i.e., true color). RGB images may store up to 16.7 million colors. Palette and gray-scale images are limited to 256 colors or shades. A common extension of TIFF also allows for CMYK images.

EPS – EncapsulateEPS files are often used to save artwork, such as logos and drawings. They are a common format used for transferring image data between different operating systems. The files are supported by several different drawing programs and vector graphic editing applications. You can convert EPS files to standard bitmap formats such as .PDF, .JPG, .PNG, and .TIFF using programs such as Illustrator, Photoshop, and CorelDRAW.

PDF – Portable Document Format (PDF) is a type of document created by Adobe back in 1990s. The purpose of this file format was to introduce a standard for representation of documents and other reference material in a format that is independent of application software, hardware as well as Operating System.

5.Why can't we use ProPhoto RGB for printing purposes?

People hoping to save hard drive memory by choosing 8-bit will screw up their whole workflow. Always always edit in 16-bit to preserve tonal nuances. 8-bit in larger color spaces will almost always create banding and you can't go back to 16-bit from 8-bit, but you can however re-map via assignment a 16-bit sRGB image back into aRGB or Prophoto whenever (just need to do color grading again). For those who have fear-of-missing-out mentality and therefore choosing to edit in ProPhoto, it's risky because printers gamut do exceed aRGB (the limits of most high-end monitor gamuts) in certain areas, and might unknowingly create colors which you don't see in the monitors but will end up on print because the data is there and fits into the paper profile. This often causes unwanted "color shifts" and not to mention time and money wasted to figure out the problem doing reprints and re-mapping the colors to whatever paper icc you might be using, JUST SO THAT you can tell people you're using ProphotoRGB because you don't want to miss out on colors.