

Photoshop DeSaturation

Our National Emblem

PROJECT LEARNING OBJECTIVES, SWBAT:

- Reinforce computer literacy
- Use internet to exchange information for specific purposes
- Multi-task applications
- Upload images to applications
- Layer and edit objects
- De-saturate digital images
- Demonstrate proficiency using editing tools and palettes
- Save digital images

AIM: How Can Create Black and White Images with Areas of Color in Photoshop?

Do Now: Turn on PC, Open Photoshop, Review Task Directions Below:

PC TASK:

1. Using Google Images, open an image of the Eagle in Photoshop.

Name the object Eagle by double clicking the Name Layer Shortcut.

2. Select the image and flip it horizontally using the Rotate command in the Image Menu.

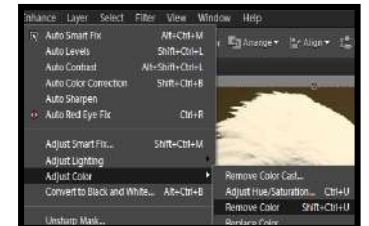
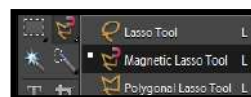
3. Duplicate the layer by right-clicking the Duplicate Layer command in palette area on the lower right hand side. Click OK.

4. Turn the image copy into a black and white by clicking the Remove Color option in the Adjust Color command of the Enhance Menu.

5. Zoom in on and highlight the eagle's beak with the Magnetic Lasso Tool.

6. Press the Delete Key to reveal the color image underneath. Zoom out to see full picture.

7. Save your file as Eagle



TASK B: Choose a colorful animal and search Google Images to find a photo.

Use the techniques listed in Task A to create a partial color image using Photoshop.



TASK C: Use the Internet to find the answers to the following web quest questions based on the Our National Emblem: The Bald Eagle.



1. When did the bald eagle become the National Emblem of the United States? _____
2. What did Ben Franklin want to name as the national bird?

3. When do bald eagles get their distinctive white head and tail feathers? _____
4. Which state does not have bald eagles? _____
5. What types of animals fall prey to bald eagles? _____
6. How fast do bald eagles fly? _____ How fast can they dive? _____
7. What term is used for a bald eagle nest? _____
8. What percentage of eagles survive their first year? _____%
9. What is the life span of a bald eagle? _____
10. How big is an adult bald eagle? Wingspan = _____ Height = _____ Weight = _____
11. Which is larger: female or male bald eagle? _____ How much larger? _____ %
12. What term is used to describe the knife-like claws on an eagle's feet? _____
13. How many feathers do eagles have? _____
14. What caused the decline of the eagle population? _____



Franklin wrote:

I wish that the bald eagle had not been chosen as the representative of our country, he is a bird of bad moral character, he does not get his living honestly, you may have seen him perched on some dead tree, where, too lazy to fish for himself, he watches the labor of the fishing-hawk, and when that diligent bird has at length taken a fish, and is bearing it to its nest for the support of his mate and young ones, the bald eagle pursues him and takes it from him.... Besides he is a rank coward; the little kingbird, not bigger than a sparrow attacks him boldly and drives him out of the district. He is therefore by no means a proper emblem for the brave and honest... of America... For a truth, the turkey is in comparison a much more respectable bird, and withal a true original native of America... a bird of courage, and would not hesitate to attack a grenadier of the British guards, who should presume to invade his farmyard with a red coat on.



15. The year is 1782 and the founding fathers asked you submit a proposal for our national emblem. Which emblem would you choose? Explain and discuss the rationale behind your idea.

<http://sciencespot.net/Media/eaglequest.pdf>

Click "More About Bald Eagles" to find the answer to these questions.

3. When did the bald eagle become the National Emblem of the United States? **1782**

4. What did Ben Franklin want to name as the national bird? **Wild Turkey**

5. When do bald eagles get their distinctive white head and tail feathers?

4 to 5 years of age

6. Which state does not have bald eagles? **Hawaii**

7. What types of animals do bald eagles eat? **Fish, ducks, muskrats, turtles, rabbits, snakes, and carrion**

8. How fast do bald eagles fly? **65 mph** How fast can they dive? **150 or 200 mph**

9. What term is used for a bald eagle nest? **Eyries**

10. What percentage of eaglets survive their first year? **50%**

What caused the decline of the eagle population?

1 - **Mass shooting**

2 - **Use of pesticides on crops**

3 - **Destruction of habitat**

4 - **Contamination of waterways and food sources**

How big is an adult bald eagle?

Wingspan = **7 ft (2.3 m)** Height = **3 ft (1 m)** Weight = **9-14 lbs**

2. Which is larger: female or male bald eagle? **Female** How much larger? **30 %**

3. What term is used to describe the knife-like claws on an eagle's feet? **Talons**

4. How many feathers do eagles have? **7,000**

