

# **Teacher Resources for**

## **K through Second**

### **Grade-English**



## TEKS for Animals at the Cameron Park Zoo

### 1. Asia

- a. Tiger - Science/Math
  - i. Science: K.13B: Identify different structures of animals (Hearing and Eyesight)
  - ii. Math: 5.9A: Ratios (1 tiger today is = 25 tigers in 1850)
- b. Orangutan - Math/Science
  - i. Math: 2.4B: Subtraction (97% of human DNA to 100% human DNA)
  - ii. Science: 3.13A: External structures of animals (Long Arms)

### 2. Africa

- a. Giraffe - Science
  - i. Science: 2.13B: Structure of animals to get food (Leaves from trees)
  - ii. Science: 3.13A: External structures of animals (Long Necks)
- b. Elephants - Science
  - i. Science: K.13B: Identify different structures of animals (Hearing)
  - ii. Science: 5.13A: Two animals living in the same environment (Elephants and Termites)
- c. White Rhinos - Math
  - i. Math: K.2A: Counting Up (Counting Horns)
  - ii. Math: 5.7A: Conversions (250 pounds of grass = 10 trash bags)

### 3. Penguin Shores

- a. African Penguins - Math
  - i. Math: 2.4B: Counting Up (Counting how many)
  - ii. Math: 6.4C: Ratios (150 pounds= 21 Pounds)

### 4. Herpetarium

- a. The Building - Science
  - i. Science: 1.13A Living and Nonliving (Scavenger Hunt)
  - ii. Science: 5.12A: Abiotic/Biotic Ecosystems (Scavenger Hunt)

### 5. Brazos River Country

- a. Otter - Science

- i. Science: 2.13B: Structure of animals to get food (Blindness impacting food)
  - ii. Science: 3.13A: External structures of animals (Webbed Feet)
- b. Aquatic Animals - Science
  - i. Science: 1.12B Living and Nonliving (Scavenger Hunt)
  - ii. Science: 5.12A: Abiotic/Biotic Ecosystems (Scavenger Hunt)
- c. Bison - Social Studies
  - i. Social Studies: 2.2A: Theodore Roosevelt
  - ii. Social Studies: 4.1A: Native Americans

## **6. South America**

- a. Galapagos Tortoises - Math
  - i. Math: K.2A: Counting Up (Counting Legs)
  - ii. Math: 5.3A: Adding Real World (Calculating Weight of 3 Tortoises)
- b. Bald Eagle - Social Studies
  - i. Social Studies: 2.11D National Bird
  - ii. Social Studies: 5.14A Declaration of Independence



# CAMERON PARK ZOO MAP







This book belongs to:

---

Science: TEKS K.13 B

# SUMATRAN TIGER

Directions: Label and identify some of the tiger's best features. Write your answers on the arrowed lines. Use the word bank as needed.



Word Bank:

**Eyes** - Tigers can see their prey with their good eyesight.

**Ears** - Tigers can hear their prey from a distance with their excellent hearing



**Math: TEKS 2.4 B**

# BOREAN ORANGUTAN

The orangutans are one of the closest relatives to humans. The orangutans have the ability to reason and to think. An interesting fact is the orangutans share 97% of the same DNA as humans.

<p>If orangutans share 97% of their DNA with humans, how many percentages away would orangutans be from humans?</p>	<p>Show your work:</p>
---	------------------------

Based on your calculations, would you consider orangutans and humans to be similar or different?

<p>Tell me your thoughts:</p>
-------------------------------

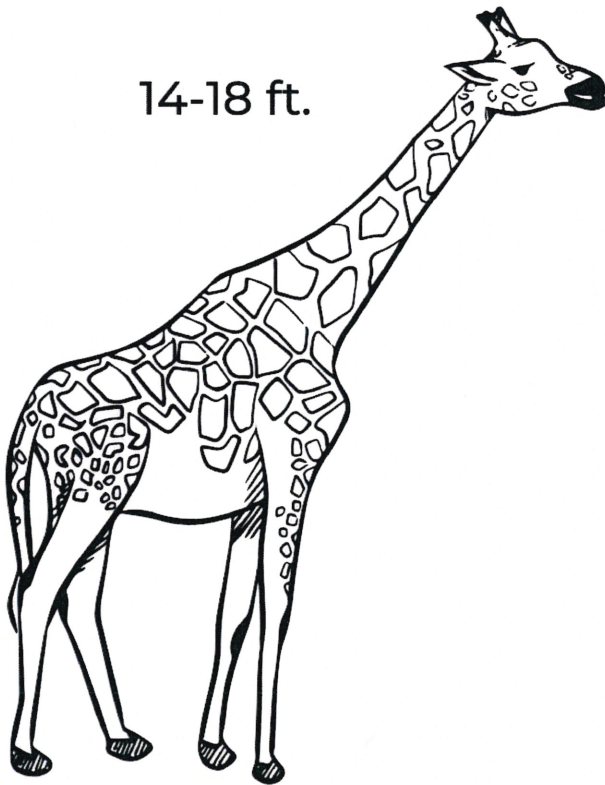
# MASAI GIRAFFES

Notice the average height of giraffes and the average height of various plants that grow in Africa (acacia trees and aloe vera plants).

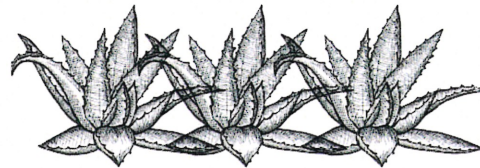
9-20 ft.



14-18 ft.



1-2 ft.



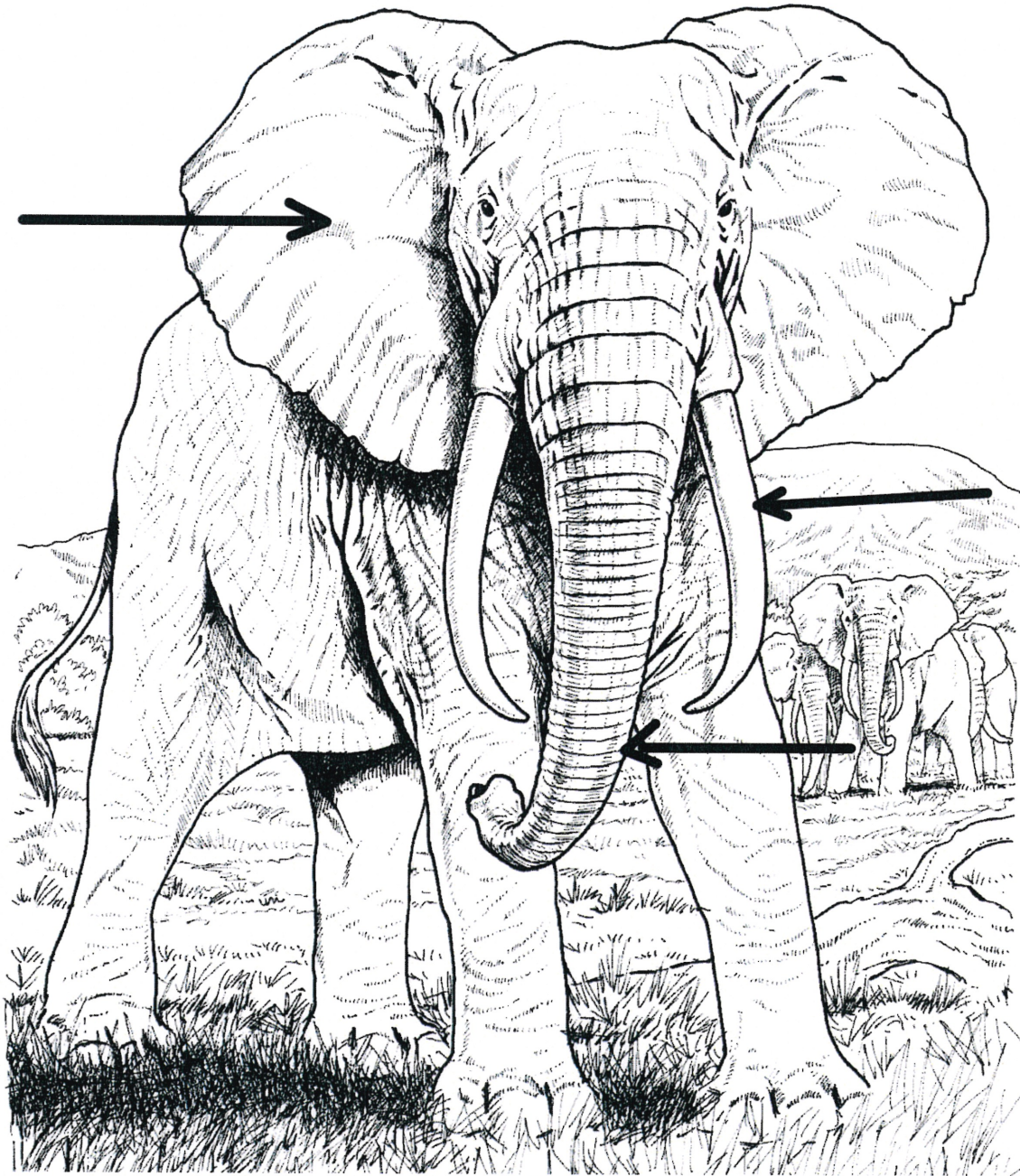
Which plant do you think giraffes are most likely to eat and why?

Draw an arrow to the physical feature that allows giraffes to eat these plants.



# AFRICAN ELEPHANT

Directions: Label and identify the elephant's best feature. Write your answer on the arrowed lines. Use the word bank as needed.



Word Bank:

**Ears** - Elephant ears can be 6 feet long and weigh over 200 pounds.

**Ivory Tusks** - Elephants tusks can grow to be 11 feet long and weigh over 400 pounds.

**Trunk** - Elephants use their trunk to eat and drink. Their trunks can be 7 feet long.

**Math: TEKS K.2 A**

# WHITE RHINO

One of the most distinct features of the white rhinos are their horn on the front of their face.

Draw the white rhino with the correct amount of horns:

Based on your observations, how many horns does the white rhino have?

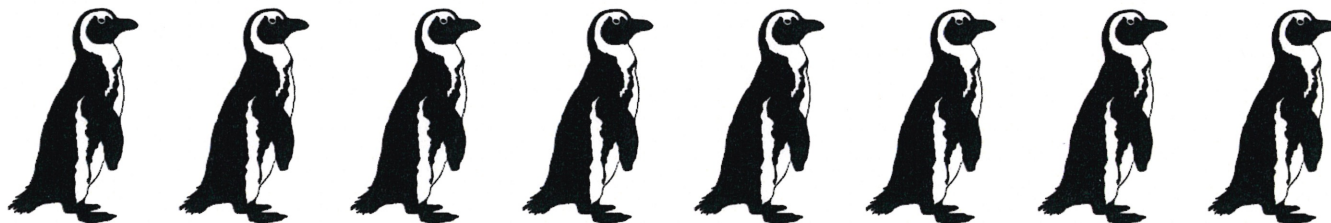
Share your thoughts:



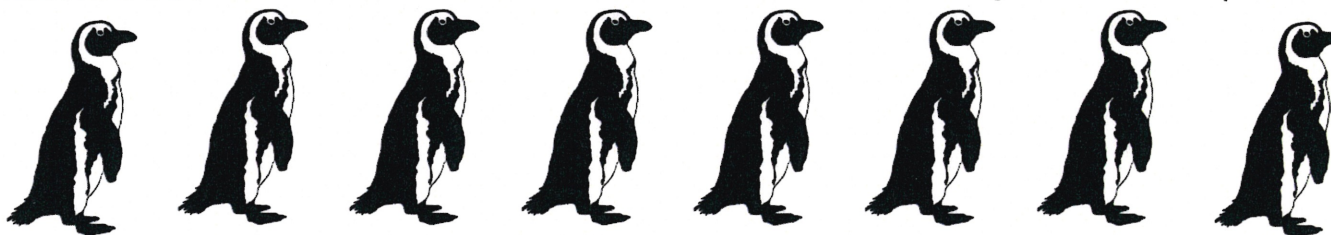
# AFRICAN PENGUINS

How many african penguins does the Cameron Park Zoo have?

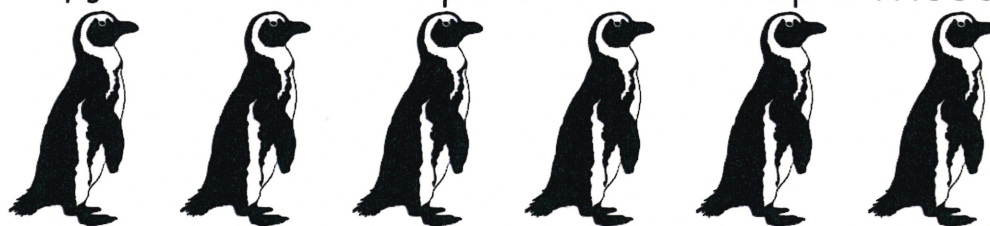
Shirley Possum Daisy Thumper Tom Frankie Dottie Newton



Little Jim Sushi Sinclair Cosmo Rosie Finley Mauri Sprocket



Flapjack Rita Rupert Winnie Maple Theodore



Based on your observations, how many female african penguins are there? How many male african penguins are there? How many are there in all?

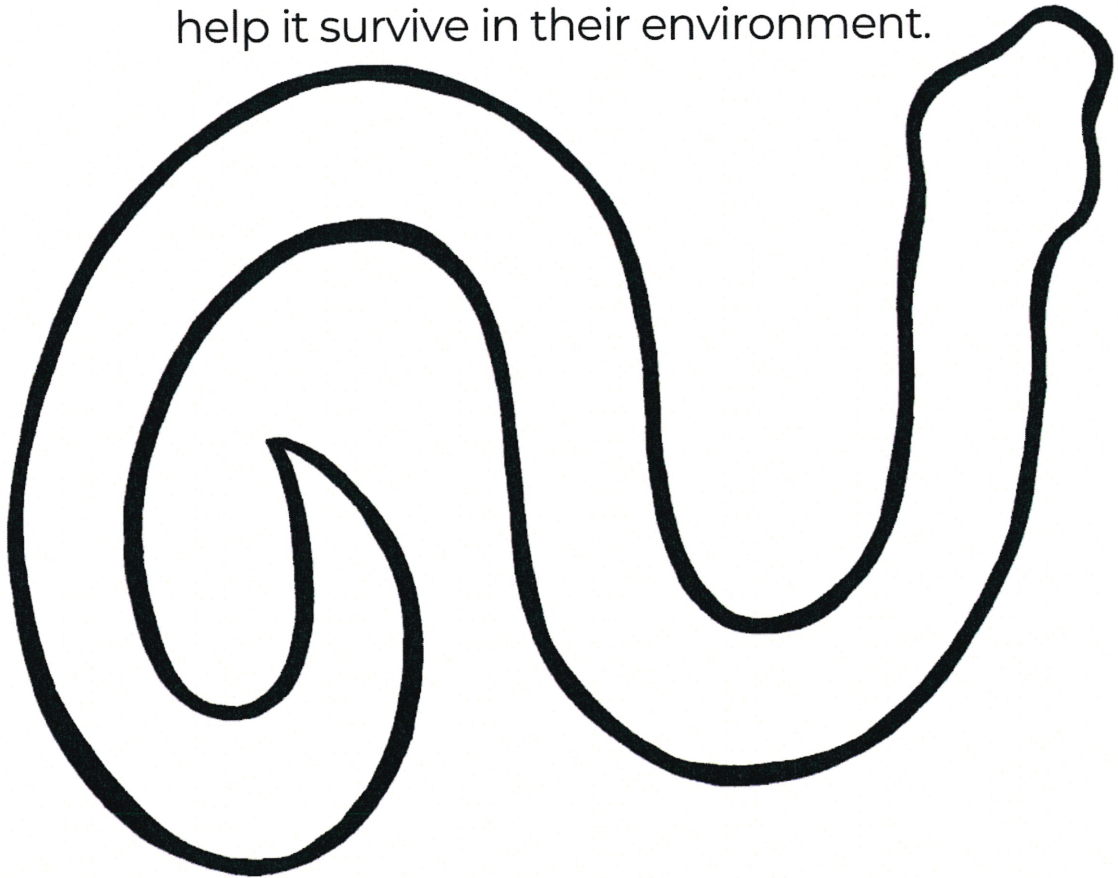
Total Females Penguins:	Total Males Penguins:
Total Amount of Penguins:	

**Science: TEKS 1.13 A**

# HERPETARIUM

A herpetarium is filled with many animals such as amphibians and reptiles, especially snakes.

Directions: Design a snake that contains patterns and shapes that will help it survive in their environment.



Based on your design, what type of environment does your snake live in and how will its design help it survive?

Share your thoughts:



# RIVER OTTER

There are many unique features of river otters, the first is that kits or baby river otters are blind for 5 weeks after birth and the second is that their waterproof pelage or fur appears after 3 months of age.

How might being blind impact kits from getting their food?

How might not having a waterproof pelage impact the kits from swimming?

If you had a waterproof pelage, what might occur?

Share your thoughts:

# FRESHWATER AQUARIUM

In the freshwater aquarium, there are a ton of living and nonliving objects to help animals survive. Can you locate 5 living objects and 5 nonliving objects.

5 Living Objects:	5 Nonliving Objects:
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

Why might do you think that living and nonliving objects need each other to survive?

Share your thoughts:
----------------------



# AMERICAN BISON

In 1894, Congress enacted a law making america buffalo, or bison hunting illegal in Yellowstone National Park. Then 11 years later, the American Bison Society was established by William Hornaday as president and Theodore Roosevelt, the honorary president.



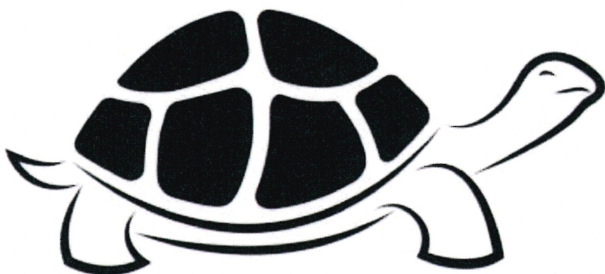
President Roosevelt persuaded Congress to form more wildlife preserves. Through this initiative, the National Bison Association (NBA) was formed to protect 150,000 bison throughout the United States.

Why might it have been important for the current president of the United States of America to be apart of these organizations for bisons?

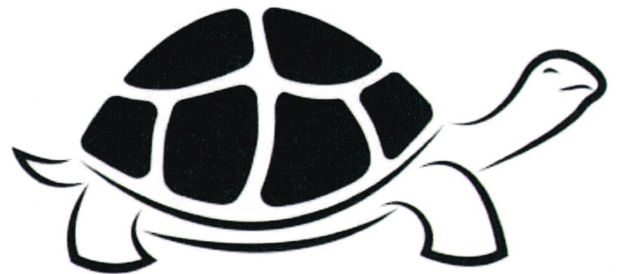
Share your thoughts:

# GALAPAGOS TORTOISE

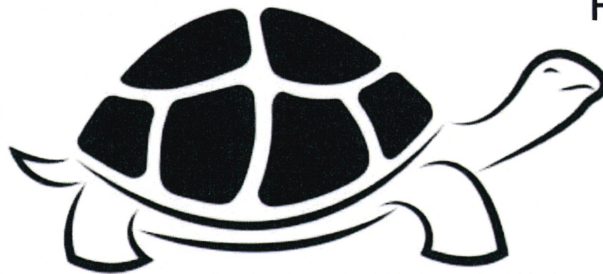
The galapagos tortoises live in a relatively dry environment with cacti, grassy areas, and some tropical vegetation. Tortoises vary in size, length and thickness of limbs, and most importantly, shape of the carapace or upper shell.



Skipper



Professor



Gilligan

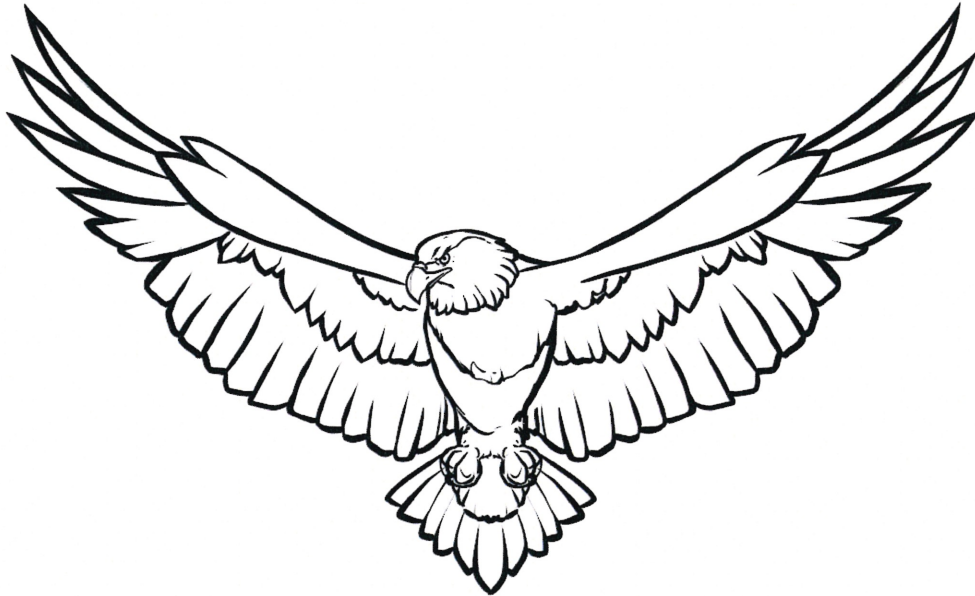
Based on your observations, how many legs does 3 Galapagos tortoise have?

Share your thoughts:



# BALD EAGLE

The bald eagle is the national emblem and bird of the United States of America. The bald eagle became the national bird in 1782.



The bald eagle breeds in Northern North America on inland lakes, migrating South in the winter to find food. This means that their diet is consistent primarily fish. The wing span of a bald eagle can reach up to 8 feet.

If you had to think of your own national bird or emblem what would it be an why?

Share your thoughts: