

The Zoo



Objectives: Students will be working with a group to create a virtual zoo. Each student will choose 2 or more animals to research and write up in a short report. Students will then group together to create a collection.

Standards: Reading R2.1.3 (reading strategies for nonfiction text)
Writing W2.2.2 (reports) , W2.5.1(bibliography)
Science: SC 2.2(ID basic behaviors) , SC1.2(adaptations and environment)

Rubric:

Rough Drafts (2)	10 points each	_____
Final Drafts (2)	20 points each (colored and neat)	_____
Bibliography	10 points	_____
Employee Job	20 points	_____
Presentation	10 points (teamwork and personal conduct)	_____
On time	10 points	_____

Procedures: **Total:** _____/100

1. Students will choose 2 or more animals to research. Zoobooks are available in the classroom. A report guide is provided to help guide in the reporting process.
2. Students write a short report for each animal. Report guidelines are included.
3. Students will site where they found their information – bibliographies.
4. Students will group up in groups of four to form the employees of a zoo. Each employee will have a specific task. Tasks will be unique and require research and creativity.
5. The group will present their zoo proposal to the class.

Due Dates:

Rough Drafts of the two animals are due by _____
(rough drafts – information on 2+ animals and a bibliography)

Final Drafts (on blank paper, colored) due by _____
(final copies edited, colored, neat, with bibliography)

Jobs completed by: _____
(written up or built, ready to present)

Presentation date: _____
(ready to present)

***** What did you do for employee job due after the presentation. *****

Name: _____

Date: _____

Pre Assessment: Answer on your own paper – complete sentences and Cursive handwriting.

1. What animals would you choose to populate your zoo and why?
2. Where would you find your animals? (What part of the world?)
3. How would you collect your animals? (e.g. purchase, trade, capture)
4. What problems might you run into collecting your animals?
5. What basic behaviors do your animals possess (e.g. migration, communication, hibernation, hunting/gathering) and how will you plan for this in your zoo?
6. Have you been to a zoo? Write a paragraph about what you saw that worked well for the animals and what appeared to not work well. (e.g. cages too small or habitat seemed to be unnatural)



Report Outline and Requirements: Animal Fact Sheet

Answer the following questions and fill out information for each animal you collect for your zoo. Each animal should be organized on its own 8.5 x 11 inch sheet of white copy paper – writing should be in pen or typed with color illustrations.

Include:

1. Animal Name and species
2. Animal Habitat (Where is the animal found? – boreal forest, deep ocean, etc.)
3. A map of where the animal is found in the world
4. A drawing or image of the animal
5. Approximate weight and size of the animal (fully grown)
6. What does the animal eat? How much does it eat each day?
7. Description of the animal: (coloration, fur, scales, fast, etc.)
8. Interesting or unusual features (migratory patterns, hunting techniques, etc.)
9. Any unusual adaptations (e.g., large bill for scooping fish -pelican)

You may organize the animal fact sheet anyway you choose, but remember to include the above criteria.

*** Include a brief bibliography with your information. The bibliography must be used for internet sites, books, magazines, and any source you use to collect information on your animals.



Animal Report Outline

You will write your report in paragraph form. This outline will help you organize your report.

1. Why I chose this animal:

A. Tell the reader why you chose this particular animal. Include some of what you knew before you started this report.

2. Physical Characteristics:

A. Size and Weight: Height: Length: Weight:

B. Appearance: Coloring, Special markings, camouflage, fur, skin,...

C. Senses and Special Features or Adaptations:

What special adaptations does the animal have to survive? Does it have long teeth, special claws, superior smell, sight, speed, or other adaptations?

3. Habitat

A. Home (cave, tree, underground)

B. Natural Environment, what biome do they live in? (woods, desert, tundra, grasslands)

C. Range – where do they live? Include a map with their distribution. Has the range increased or decreased?

4. Life Cycle:

A. Does your animal have an interesting way of reproducing? Spawning?

B. Special characteristics – does your animal migrate, hibernate, or molt?

5. Food Habits:

A. What they eat: What do they eat? What is their classification? Herbivore, carnivore, or omnivore?

B. How does your animal get food? Where does it collect or hunt for food? How often do they eat? Do they store food? How much do they eat?

6. Concluding paragraph:

Tell the reader how you liked doing the report and something that surprised or aroused your interest in the animal or another sub-topic.

Rough Draft due: _____ **Final Draft due:** _____

Zoo Employee Jobs:

The Architect

The architect must design the physical space for the animals and be prepared to explain the layout and thoughts behind the design. Think about the individual animals needs: habitat, space for exercise, temperature and environmental needs, etc.

Ideas: Draw a large map outlining each “cage” or enclosed habitat.
Create/ build a physical zoo with tiny enclosures.

The Manager

The manager must order food and shelter for each animal. What will need to be purchased to include in each habitat? Will a bear require a tire swing to get exercise? Will the walrus need 100 lbs of herring a day? How much does each animal eat? Have a short report ready to share with the basic needs for each animal.

Ideas: List the basic food needs for each animal for a month (day multiplied by 30).
List the basic shelter and recreation needs – swings, ropes to climb, straw, etc.

What do you plan to do with the animal waste? Brainstorm an idea of how to get rid of the tons of waste your animals will generate in the course of a month.

The Guide

The guide takes the class on a tour of the animals of the zoo, going through each animal one at a time and coming up with 1 or 2 interesting things to say about each. The guide will also tell the class about the unique features of the zoo – how it stands apart from the other zoos.

Ideas: Be prepared to talk. Have a list of each animal and 1-2 interesting facts about each. What sets your zoo apart from other zoos?

The Public Relations Person

Your job will be to advertise the zoo. You may draw up a poster, make a web page, or film a short commercial to show. Whatever you choose to do, you need to work fast. It must grab our attention and show the highlights of your zoo.

Ideas: Film a short commercial on your digital camera to show to the class. You may need to write up a script for his one.
Create a poster highlighting the main attractions of your zoo.

