

ZOO- O- LOGIC CORPORATION Teaching Guidelines

Subject: Science

Topics: General Biology

Grades: 6 - 10

Concepts:

- Understands the concept "habitat"

Knowledge and Skills:

- Understands the general scheme of classification of animals
- Understands that different kinds of animals have different diets
- Understands the different kinds of animals have different habitats

Materials: None

Procedure: This project should be done by students individually or in teams of two.

Distribute the handout and discuss it.

Ensure that students understand the idea of territories and what their assignment is.

Give students a schedule for working on the assignment and a due date.

School-to-Career Connection: Go behind the scenes at a zoo.

Zoo-O-Logic Corporation

To: Planning Dept
From: President
Re: New Zoo News

At our last Board meeting the Directors approved our proposal to proceed with building three new mini-zoos in these locations:

Phoenix, Arizona
Seattle, Washington
Tampa, Florida

Each of these zoos will have four classes of exhibits: Mammal carnivores, Mammal herbivores, Birds, and Rodents.

However, we want each zoo to feature different species. In order to keep the construction costs down, we want to choose species that are well adapted to the existing conditions in these locations, so that we do not have to invest a lot of money in climate control.

In the past we have use large committees to design these zoos; this time I want to try something different. I would like small teams to come up with their own plans of a layout that could be used in these new zoos.

The total area of each plan should be 75 acres, including all of the customer service facilities, paths, and service roads.

In your plan, be sure to show the kind of vegetation each area will have, the terrain and any bodies of water that you feel should be there.

Also I would like each member to propose two different species for each of the four classes of exhibits, for all three zoos. Of course you should make sure that the two species you choose do not compete with each other in terms of what they eat, and that they will get along well in the location.

For each species you propose, please list what they eat and approximate quantities so I can evaluate whether or not we can afford to have them.

Also, for each species you choose, please dig up one “fascinating fact” about the species—something that we can use to interest the public in it.

So, that’s one layout and twenty-four species recommendations I need from each team.

And please please please make your reports very clear and easy to read.

JW