

Endangered Organism Project

In place of a final exam, we will be creating a PowerPoint project. These projects will be due and presented the week of exams. We will spend one class period each week working on these projects. A piece of the project will be due each Friday so you are not overwhelmed with the whole project the last weeks of the semester. If you are absent on a day when we work on our project, it is your responsibility to complete and turn in the part of the project that was completed and due that day (must be turned in within 1 week of due date for credit).

- ❑ Students must select any endangered or threatened organism to research.
- ❑ Project must include at least 12 slides. Font must be at least size 36 and in a contrasting color to the background (must be easy to read.) Information for each slide is located below.
- ❑ There must be at least 5 pictures/graphics in your presentation.
- ❑ A minimum of three references must be used in this project.
- ❑ 20% of the grade is based on the oral presentation and 80% of the grade is based information found in the PowerPoint presentation.

SLIDE 1 – Introduction to organism

- Your Name and period
- Organism Common Name
- Organism Scientific Name
- **Required** - A picture of your organism.

SLIDE 2 – Detailed classification

- Kingdom
- Phylum
- Class
- Order
- Family
- Genus
- Species

SLIDE 3 – Cells

- Is your organism unicellular or multi-cellular?
- If multi-cellular, what types of specialized cells does it have?
- Give examples of types of cells in the organism
- **A graphic of at least one type of cell in your organism could be included.
(For example, plants have root cells, leaf cells, sex cells, etc. and they look different)

SLIDE 4 – Energy

- Is it an autotroph or heterotroph?
- If it is autotrophic – how does it make its food?
- If it is heterotrophic – what does it eat? How does it get it?
- What body structures enable the organism to get energy?
- **A graphic of what it eats can be included.

SLIDE 5 – Ecology

- Where does your organism live? What is its habitat?
- What role does your organism play in the food chain? (Producer, consumer, decomposer) Explain.
- Does your organism have any predators?
- Give an example of a food chain including your organism.
- **A picture/graphic of your organism participating in the food chain or in its natural environment can be included.

SLIDE 6 – Endangered

- Is your organism endangered or threatened? (What is their current population?)
- What has caused your organism to become endangered?
- What could be done to protect or prevent your organism from further endangerment?

SLIDE 7 – Reproduction

- What type of reproduction does your organism use? (sexual or asexual)
- What reproductive structures does your organism have?
- How many offspring does it usually produce?
- How old is the organism when it becomes able to reproduce?
- **A graphic of your organism as a baby could be included here.

SLIDE 8 – Growth and development

- What is the average life span of your organism?
- What is the average size (height and weight) of your organism?
- Does it change its appearance during its life or is it “born” looking exactly like an adult?
- **A graphic of your organism as an adult could be included here.

SLIDE 9 – Body form

- How does your organism move (does it move at all?) Explain.
- What structures allow movement?
- What support structures does your organism have? What are they made of?
- What type of symmetry does your organism have? (Asymmetrical, bilateral, or radial)
- What covers the body of your organism?
- How does the body covering protect your organism?
- **A graphic showing the body symmetry, the way an organism moves, or the body covering protecting the organism may be included.

SLIDE 10 – Response to stimuli

- What stimulus does your organism respond to? Give 2-3 examples. (Ex – when a human gets cold [stimulus], we shiver [response])
- What structures does your organism have for receiving stimuli?
- **A graphic of your organism in a stimulus/response situation can be included.

SLIDE 11 – Adaptations

- What special traits does your organism have for survival?
- How does the structure of your organism (or part of your organism) fit its function?
- What are some surprising closely related organisms? (ex: humans and chimpanzees)
- **A graphic of your organisms' adaptation can be included.

SLIDE 12 – References

- You will need *at least* three references; one must be a book or encyclopedia and one must be from the Internet. Do not forget to site where your pictures came from!
- Book Reference Requirement:
 - Title
 - Author
 - Publishing Company
 - Copyright date
- Internet Reference Requirement:
 - Author (if available)
 - Publishing website name and publishing organization (found on homepage).
 - Date Published or revised
 - Page title (title on page where you found your information)
 - Date retrieved
 - URL (web address, usually begins with www...)

Here is a breakdown of due dates:

4/21/06 – Common name of organism due on note card ** *Do not forget your name on note cards also!* **

4/28/06 – Detailed classification of organism (see slide 2) on note card – include references.

5/5/06 – Information from slides 3 – 5 due on note card – include resources and references on back.

5/12/06 – Information from slides 6 – 8 due on note card – include resources and references on back.

5/19/06 – Information from slides 9 – 11 due on note card – include resources and references on back.

5/26/06 – “Rough Draft” of all slides due – Print a handout page with six slides per page.

5/30/06 – “Final Draft” due and presentations begin. Presentations will continue on during the week.