

Name(s) _____

Project Title _____

Endangered Species Project

Objective:

To become familiar with endangered species' habitats and characteristics and using available technology, design, present, and self-evaluate an interpretive environment for a specific endangered species similar to the real-world model of Busch Gardens in Tampa, Florida.

Resources:

- Print resources in media center
- Electronic databases in media center
- Internet including:
 - <http://endangered.fws.gov>
 - <http://biology.swau.edu/student/brandy/page2.html>
 - <http://www.2few.org/html/otherendangered.htm>
 - <http://www.geocities.com/Heartland/Flats/8400>
 - <http://www.endangeredspecie.com/>

Problem:

You are a zoologist working as a curator for Busch Gardens in Tampa, Florida. You understand that there is a grant available where you could be awarded a rare pair of animals that are on the endangered list. You must create a presentation that will prove to the donors that you have the best understanding of the needs of the animals and will provide an environment where the pair will flourish and breed. Use PowerPoint to create a kiosk presentation or create a website to present your information. Your presentation must include:

- General information on the animal
- Criteria for selecting this animal, and endangered classification
- Events and circumstances which led to the endangerment and any adaptations animal has made
- Natural habitat
- Plans for habitat at Busch Gardens
- Feeding in the wild
- Nutritional requirements and feeding plan in captivity
- Breeding habits in natural environment
- Plan for breeding and expectations for survival
- All other considerations
- Appropriate graphics
- Last plea: Why should the donors choose Busch Gardens as recipient of the grant?

Activities:

- Select and research endangered species in groups of two
- Assume role of curator and create a plan to house a pair of animals at Busch Gardens, Tampa, FL, i.e. habitat, food, medical
- Predict mating and breeding success and proliferation of species
- Create kiosk (non-linear) presentation using PowerPoint, or a website
- Evaluate plans as justification of grant
- Present projects
- Use rubric for self-evaluation and student project evaluation

Presentation and evaluation:

Day 1 - Students present presentations

Day 2 – Students set up presentation kiosks and go from kiosk to kiosk to view information and evaluate based on rubric.

Rubric:

Excellent	Good	Fair	Poor
<p>Presentation is</p> <ul style="list-style-type: none"> • Error free • Attractive <p>and complete with all components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification 	<p>Presentation is</p> <ul style="list-style-type: none"> • Error free • Attractive <p>and complete with 5 components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification 	<p>Presentation is complete with 4 components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification 	<p>Presentation is complete with 3 components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification

Student Evaluation

Kiosk _____

Rubric:

Excellent	Good	Fair	Poor
<p>Presentation is</p> <ul style="list-style-type: none"> • Error free • Attractive <p>and complete with all components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification 	<p>Presentation is</p> <ul style="list-style-type: none"> • Error free • Attractive <p>and complete with 5 components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification 	<p>Presentation is complete with 4 components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification 	<p>Presentation is complete with 3 components:</p> <ul style="list-style-type: none"> • General information • Events leading to endangered status • Natural and planned environment • Food in the wild and plan for captivity • Breeding expectation • Grant justification

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Evaluators:

Name(s) _____ **Grade** _____

Comments _____

Name(s) _____ **Grade** _____

Comments _____

Name(s) _____ **Grade** _____

Comments _____

Name(s) _____ Grade _____

Comments _____

Name(s) _____ Grade _____

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