**Endangered Species/Environmental Issue Project Guide/Rubric**

Use these questions to help guide your research for your species or environmental issue. You will choose how you show your knowledge and understanding. Some options are: PowerPoint or Prezi presentation, research paper, poster, model, storybook, etc. Have another idea? Let us know. Due date is Friday, May 18. 25 points summative

Common Name of your chosen species \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Scientific Name of you chosen species (genus, species) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Habitat/niche**  -what are the life cycle stages of your organism? (at minimum this is juvenile and adult)  -In which environment(s) does this animal live during each life stage?  -How does the habitat help the animal meet its needs at each life stage?  -Does the animal  need specific  environments for  specific activities  (i.e. reproduction or feeding)?  -Does the animal normally migrate? If so, present the normal migration routes. | **Food**  -What does the animal eat at each life stage?  -How does the animal find food?  -How much food does the animal require?  -What are the animal’s predators at each life stage? | **Obstacles for**  **Survival**  -What natural threats (including predators) does the animal face during each life stage?  -What threats does the animal face as a result of human activities at each life stage? | **Adaptations**  -What adaptations does the animal have to enhance its survival or reproduction at each life stage? | **Other interesting facts** |

**Rubric for Endangered Species Bio**

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|  | **Exceptional (5)** | **Satisfactory (3.5)*only scoring in this column = 70%*** | **Revisit (any RV cannot earn more then 60%)** |
| **Habitat/niche** | The animal’s habitat & niche research is creatively well written and incorporated for all life stages. | The animal’s habitat & niche research is summarized/paraphrased for all life stages. | Missing any part of satisfactory |
| **Interactions with other species** | The animal’s interactions & food research is creatively well written and incorporated for all life stages. | The animal’s interactions & food research is summarized/paraphrased for all life stages. | Missing any part of satisfactory |
| **Adaptations** | The animal’s adaptations research is creatively well written and incorporated for all life stages | The animal’s Adaptations research is summarized/paraphrased for all life stages. | Missing any part of satisfactory |
| **Obstacles to survival** | The animal’s natural and human obstacles research creatively well written and incorporated for all life stages | The animal’s natural and human obstacles research are summarized/paraphrased for all life stages. | Missing any part of satisfactory |
| **Other interesting facts** | Attempt to include additional information on animal creatively well written and incorporated for all life stages | Attempt to include additional information on animal is summarized/paraphrased for all life stages | Missing any part of satisfactory |

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| --- | --- | --- | --- | --- |
| **History of Issue**  -When did it begin?  -What started it? Humans, invasive species, etc.? If humans, what was the purpose; what did they want to accomplish?  -What was the result of this? How is the environment or living things damaged or degraded because of this? | **Range**  -Where is this occurring in Florida? What habitats are affected? | **Solutions**  -What needs to be done to fix this problem?  -What can we do as a society?  -What can an individual do? | **Predictions**  -What is the projected outcome for the future? | **Other interesting facts** |

Environmental Issue you chose \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Rubric for Environmental Issue**

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| --- | --- | --- | --- |
|  | **Exceptional (5)** | **Satisfactory (3.5)*only scoring in this column = 70%*** | **Revisit (any RV cannot earn more than 60%)** |
| **History** | The environmental issue’s research is creatively well written and incorporated. | The environmental issue’s research is summarized/paraphrased. | Missing any part of satisfactory |
| **Range** | The range is creatively well written and incorporated. Diagrams were included. | The range is summarized/paraphrased and no diagrams or detail is given. | Missing any part of satisfactory |
| **Solutions** | The solutions are creatively well written and incorporated. Two or more solutions are given with many details. | The solutions are summarized/paraphrased or only one solution is given and no detail is given. | Missing any part of satisfactory |
| **Predictions** | The predictions of the outcome is creatively written and incorporated. | The predictions of the outcome are summarized/paraphrased. | Missing any part of satisfactory |
| **Other interesting facts** | Attempt to include additional information on environmental issue is creatively well written and incorporated with many details. | Attempt to include additional information on environmental issue is summarized/paraphrased and very little detail is given. | Missing any part of satisfactory |

Some more guidelines:

**PowerPoint, Google or Prezi Presentation must have at least 10 slides with pictures and captions.**  
**Research paper must have at least two pages written or typed (12 pt font, double spaced.**

**Storybook must have at least 10 pages with color illustrations.**