Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ecology Project Rubric**

Directions: Your group will choose a biome to research for the last unit of study for Earth Science!

* **Biome Name:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| Concerns(Areas that Need Work) | Criteria(Standards for this work) | Advanced(Evidence of Exceeding Standards) |
|  | Criteria #1: * 3 Abiotic and 3 biotic factors that affect this biome are listed.
* What is carrying capacity and what are some limiting factors for this biome that affect it?

 (10)  |  |
|  | Criteria #2: * A summary of how humans have positively and/or negatively impacted this biome-be specific.

 (10) |   |
|  | Criteria #3: * Level of biodiversity in this biome-is anything endangered? If so, why?

 (10) |  |
|  | Criteria #4: * Create a food web for this biome with at least 8 organisms.
* Choose one of the organisms and explain what would happen to the others if that organism became extinct.

 (10) |  |
|  | Criteria #5:* How do humans use natural resources in this biome?
* Are they mainly renewable or nonrenewable? Be specific.

 (10)  |  |
|  | Criteria #6: * How has climate change impacted this biome?
* What are the future concerns of climate change for this biome?

 (10) |  |
|  | Criteria #6: * What is the climate like in this biome? Include a map of its location as well as latitude information.
* How do humans impact land use in this biome? (10)
 |  |
|  | Criteria #7:* Product is neat, colorful and easy to understand.
* The group worked in a professional manner together to plan, determine roles, and present the information.

 (10) |  |

Total Grade: \_\_\_\_\_\_\_\_/\_\_\_\_80\_\_\_\_ (times number of group members) Teacher Total Grade: \_\_\_\_\_\_\_\_/\_\_\_\_80\_\_\_\_

Product Planning Calendar

Tuesday, May 23rd:

* Choose which Biome you want to research
* Determine roles within your group
* Start prodect work

Notes:

Thursday, May 25th:

* Product work

Notes:

Tuesday, May 30th:

* Product work

Notes:

Thursday, June 1st:

* Product work
* Products submitted

Notes: