**Biome Project**

***Your group will be using technology to examine a particular biome in greater detail and report your findings to your classmates.***

**Choose ONE of the following biomes to research:**

* Tundra
* Temperate Grassland
* Tropical Rain Forest
* Desert
* Taiga/Boreal Forest
* Chaparral
* Temperate Rain Forest
* Temperate Deciduous Forest
* Savanna

**Your project must include the following:**

* Summer & Winter Climate Information
* One example for each type of symbiotic relationship
* 3 animals and a specific adaptation for survival for each animal
* 3 plants and a specific adaptation for survival for each plant
* Food web with 10 organisms
* Energy pyramid with specific organisms (you must also show the amount of energy loss)
* Discuss one major human impact on this particular biome (pollution, pesticides, global warming, deforestation, overpopulation, etc.)
* Discuss EITHER the water cycle or carbon cycle in relation to this biome
* Discuss EITHER the nitrogen cycle or phosphorous cycle in relation to this biome
* Cite 5 specific sources where you gathered your information

**Choose ONE of the following project options:**

* **Poster**
* **Power Point**
* **Prezi**
* **Other- Must be approved by teacher**

**TOTAL POINTS: 100 PTS >>> See Rubric for point breakdown**

**Biome – Project Rubric**

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| --- | --- | --- | --- |
| **REQUIRED SECTIONS** | **Points Earned** | **Points Possible** | **COMMENTS** |
| **Summer and Winter Climate Information** **for your assigned Biome** |  | 10 |  |
| **One example of each type of Symbiotic Relationship**  **Parasitism**  **Mutualism**  **Commensalism** |  | 10 |  |
| **3 animals and a specific adaptation for survival for each animal** |  | 10 |  |
| **3 plants and a specific adaptation for survival for each plant** |  | 10 |  |
| **Food Web with 10 organisms** |  | 10 |  |
| **Energy Pyramid with specific organisms (you must also show the amount of energy loss)** |  | 10 |  |
| **Discuss one major human impact on this particular biome (pollution, pesticides, global warming, deforestation, overpopulation, etc.)** |  | 15 |  |
| **Discuss EITHER the Water Cycle or Carbon Cycle in relation to your assigned biome** |  | 10 |  |
| **Discuss EITHER the Nitrogen Cycle or Phosphorus Cycle in relation to your assigned biome** |  | 10 |  |
| **Cite 5 Specific Sources** |  | 5 |  |
| **TOTAL** | **\_\_\_\_\_** | **/100** |  |