**AP Biology Ecosystem Project**

Create a Presentation to educate the class about a specific ecosystem. This can be in any form you would like. (Poster, Prezi, book, interpretative dance, musical, movie, pamphlet, whatever.) You will present this to our class at the end of our unit. As always, ources should be cited in MLA or APA format.

**Your presentation should include the following information:**

* Describe 5 Food Chains in food web in a visual format
  + Identify any important producers and consumers (keystone species)
* 2 Predator Prey Relationships
  + Identify any relevant adaptations that resulted from these interactions
* 2 Examples of symbiosis
  + Identify specific type (parasitism, mutualism, commensalism)
* Description of Ecosystem including:
* Average Rainfall (if terrestrial) and temperature
  + Please note any important fluctuations or seasonal changes in conditions
* Biome identified
* Picture/drawing of ecosystem
* Latitude
* Map of location(s)
* Choose 1 species to highlight and discuss the following:
* Describe density and dispersion of the species
* Reproductive strategy (K or R)
* Description of niche
* Describe mating structure/behavior
* Density-dependent limiting factors
* Discuss Relevance to Humans
* Economic/scientific importance of ecosystem
* Threats to environment

Suggested Ecosystems:

African Rift Lakes (Tanganyika, Victoria, or Malawi)

Deep sea hydrothermal vents

New Zealand temperate forests

Amazon river ecosystem

Mongolian Steppe

Daintree Rainforest

Everglades

Lake Baikal

Cave ecosystem

Madagascar Rainforest

Galapagos Islands

Komodo Island

Mangrove forest

Cloud forest

Great Barrier Reef

Atacama desert

Kelp Forest

*You may come up with your own with approval, but please make sure it is unique.*