The purpose of this project is to highlight a region on Earth and a specific biological community. You are to explore how the changing climate may be affecting this region or area. You will highlight a species and use this species as your reference point to focus your studies.

**Key questions to answer and describe:**

1. Highlight a species! (pick a species of animal or plant to focus on)
2. Describe this species habitat (physical space the animal lives in)
   1. What is the **biome** this species lives in? Describe this biomes general **temperature and precipitation**.
   2. Describe how the animal or plant attain energy?
   3. What does the animal or plant use as shelter?
3. Describe this organisms interactions with others (**competition, mutualism or predator pray interaction**)
4. Where is this animal or plant in the ecosystems **food chain and food web**?
5. How is **pollution, habitat loss, or non-native species (invasive species**) affecting this species and its community.
6. How does the change in community or climate affect the **water and carbon cycle**
7. How can we improve the situation for the species of focus and the overall community?
   1. Describe social change that might need to take place
   2. Be sensitive to the livelihood of people as society makes changes

**Recommended Topics:**

* Destruction of the Amazon - <https://www.youtube.com/watch?v=SAZAKPUQMw0>
* Australia fires (a continent burning and the loss of habitat and life)
* BC forestry
* Changing west coast waters (fish, orca, or ocean acidification)
* Polar change (the warming tundra and arctic)
* Poaching
* Agriculture and pesticides
* Hurricanes in the Caribbean

**Helpful videos to watch**

Biomes - <https://www.youtube.com/watch?v=o_AfNcjlOgU>

Food chains and Food webs - <https://www.youtube.com/watch?v=CZhE2p46vJk>

Relationships in ecosystems - <https://www.youtube.com/watch?v=rNjPI84sApQ>

Carbon Cycle - <https://www.science.org.au/curious/video/global-carbon-cycle>

Water Cycle - <https://www.youtube.com/watch?v=y5gFI3pMvoI>

**TASK**

Create a power point presentation with a **minimum of 7 slides** and **expanding** on the questions and inquiries provided above. Each inquiry will be marked out of a rating of 4. *Answering the minimum will achieve a mark 3.*