Name:_____   Date:_____

Ecology Ecosystem Research Project

Major Terrestrial Biomes:

Tundra   **Taiga**   **Temperate forest**

Grasslands   **Desert**   **Tropical forest**

Your task is to research one of the ecosystems and create a booklet about that biome/ area (I will randomly assign the biomes). You want to entice people to visit your biome!!The booklet must have at least four pages, and contain information that is accurate, informative, graphical, and interesting. The work must be yours, and not simply copied and pasted from different websites/ books. **Any work that is passed in that shows plagiarism will be returned with a grade of zero until independently produced work is resubmitted**. YOU MAY WORK WITH ONE OTHER PERSON ON THIS PROJECT.

<u>What should the booklet include?</u>

1. A map showing where on the planet the ecosystem is found and a picture of what the terrain looks like.

2. Information about the climate/weather conditions for the ecosystem (use graphs or charts outlining sunshine, rainfall, wind speed etc.), and how it affects the animals/plants that live there (think about the abiotic factors present in the ecosystem).

    Example: What adaptations do desert organisms have for surviving in a climate with little moisture?

3. Accurate information about 4 animals that live there (include pictures); 1 fact/animal and 1 picture/animal

4. Accurate information about 4 plants that live there (include pictures); 1 fact/plant and 1 picture/plant

5. 5 Items that those who visit your biome should either bring or wear (appropriate clothes, hiking gear, safety supplies, etc).

6. A food chain or food web that depicts your biome and please describe the main producer and main predator in your ecosystem.

7. Provide 1 activity, natural wonder, or tourist attraction that would entice someone to visit your biome.

8. A works cited showing the resources used for your research

**for any specific information, please feel free to choose a specific biome area (ex: if you are studying deserts, you can choose a specific one to focus on: Sahara Desert).

PROCESS

1. You may work with one other person on this project

2. You will have in class time to work on this project; however, you may have to work on some of this at home. The library schedule (as of now) will be the following:

3. Don't limit yourself to just the internet. Also look at encyclopedias, books and magazines

4. Use as much creativity as possible when creating your booklet, make sure it is colorful, neat, and includes all required information.

5. Due Date:

*****On the day the project is due, I will have each of you (and your partner) display your booklet for the rest of the class to look at and read through. All students will read through all of the booklets and take down notes/information about each of those biomes.

Criteria	Points Possible	Points earned
1. Map and Picture- Shows where ecosystem is located worldwide and provides a picture of the terrain.	4	
2. Climate Information- Explains the weather patterns of biome, as well as how organisms are adapted for that area	6	
3. Plants- Lists and describes at least four plants found in biome, with pictures included (1 for each plant)	8	
4. Animals- Lists and describes at least four animals found in biome, with pictures included	8	
5. Items to bring- Includes at least 5 items that people visiting this biome should bring with them/wear.	5	
6. Food Chain/Web- Contains a food chain or food web that occurs in the biome. Describes what the main producer and main predator are.	4	
7. Activity/Natural Wonder/Tourist Attraction- Provides either an activity, natural wonder, or tourist attraction that can be done/found in the biome.	4	
8. Citations- All resources are listed on a separate page in MLA format- If citations are not included, project will not be accepted for a grade	5	
9. Neatness/Creativity/ Originality/ Spelling/Grammar- Booklet shows a considerable amount of effort, is neat and organized, there are no loose papers, grammar and spelling are impeccable, and **there is no information that has been directly copied and pasted**	8	
	Total Points: 52	