Below is a list of the major topics to include in your groups biome project. The group list and research assignments are to be followed. The majority of the grade will be based on individual, with a much smaller portion based on overall group work. Individuals will be graded on their designated research topic.

Your group has the option of making a biome diorama, a biome pyramid, or a biome poster. Group members should meet up to decide which project they would like to do, then break up and begin research on your individual topic(s).

**Good sources of information: (do not use Wikipedia)**

- Biome, plants, animal, etc. books in the library (you must use at least 1 book source)
- [www.easybib.com](http://www.easybib.com) for you MLA or APA sources
- [http://go.hrw.com/atlas](http://go.hrw.com/atlas) (for map of cities/countries)
- [www.worldclimates.com](http://www.worldclimates.com) (for climates – annual rain and temperature for cities)
- [www.lcps.org/Pages/19332](http://www.lcps.org/Pages/19332) (Heritagewebsite/Library Media Center/Online Databases/Science Reference Center)
  
  The Earth Science Link here has info on Desert, Threatened and Endangered Species, Forests, Rain Forests, Tundra)
  
  The Life Science Link here has info on Ecology and Ecosystems which has many of the biomes.
  
  You can also search key terms here for resources.
- [www.blueplanetbiomes.org/world_biomes.htm](http://www.blueplanetbiomes.org/world_biomes.htm)
- [www.radford.edu/swoodwar/classes/geog235/biomes/intro.html](http://www.radford.edu/swoodwar/classes/geog235/biomes/intro.html)

**Climate (abiotic factors in your biome):**

- Describe in detail the climate in your biome.
- Include amount of precipitation – Range and Average (STATE which countries/areas have which ranges, etc)  
- Include temperature- Range and Average (STATE which countries/areas have which ranges, etc)  
- Make your own climatogram (hand drawn or on excel MUST BE DIFFERENT FROM CLASS PRACTICE – your own!)  
- Something interesting about climate in your biome  
- Include a picture that represents the climate in your biome  
- Sources in MLA or APA format

**Plants (Biotic factors in your biome):**

- Include type of plants that are found in your biome  
- Include at least 5 examples (specific plants – be creative – don't just pick plant examples I gave you.)  
- Explain adaptations of plants in general that are found in your biome and adaptations of your example plants  
- Include an endangered plant in your biome and describe it and why it is endangered  
- Something interesting about plants/vegetation in your biome  
- Include pictures that represent the plants in your biome  
- Sources in MLA or APA format
Animals (biotic factors in your biome):

- Include type of animals that are found in your biome
- Include at least 5 examples (specific animals – be creative – don’t just pick animal examples I gave you.)
- Explain adaptations of animals in general that are found in your biome and specific adaptations of your example animals
- Include an endangered animal in your biome and describe it and why it is endangered
- Something interesting about animals in your biome
- Include pictures that represent the animals in your biome
- Sources in MLA or APA format

Threats:

- Describe in detail the threats to your biome (and how it is affecting your biome)
- Include what is being threatened (habitats, specific organisms, etc)
- Describe what could be done to avoid/stop this threat
- Something interesting about the threats in your biome
- Include pictures that represent the threats in your biome
- Sources in MLA or APA format

Locations:

- Include the (specific) locations of your biome (continents, countries, latitudes, altitudes, general area, etc)
- What is the size of you biome (square footage/acreage, in comparison to other biomes, etc)
- Include locations of plants and animals that are discussed about in your biome
- Include a food chain from your biome and describe where this food chain would occur
- Locations of threats in your biome (is the threat throughout the biome in all locations, or in a specific location, etc)
- Include pictures that depict the locations of your biome
- Sources in MLA or APA format
Rubric: ____________________________________________ Name: ___________________________ Block: ______

<table>
<thead>
<tr>
<th>Information to Include: (use the info/questions listed in each bullet above to make sure you have included everything that needs to be included)</th>
<th>Points</th>
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<tbody>
<tr>
<td>Name of each member of the group, date, block AND EACH members’ rubric completed &amp; attached</td>
<td>/10</td>
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<tr>
<td>Detailed facts included based on bullets above</td>
<td>/50</td>
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<tr>
<td>Interesting fact about your topic</td>
<td>/10</td>
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<td>Bibliography/resources (you need a minimum of 1 book source and 2 online sources) – in MLA or APA format</td>
<td>/10</td>
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<td>Pictures (at least 2 – feel free to put more)</td>
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<tr>
<td>In-class participation (you must be signed off at the end of each day to receive your points). You may present these to the class.</td>
<td>/20</td>
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<tr>
<td>Spelling, your OWN words, grammar, etc.</td>
<td>/10</td>
</tr>
<tr>
<td>Group work/assignment</td>
<td>/10</td>
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<tr>
<td>Appearance of overall final project</td>
<td>/10</td>
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*In order to receive points for each section, you must do your OWN work.*    Total Points /140

YOU WILL LOSE 10 POINTS EVERY CLASS YOUR PROJECT IS LATE.

Review of Group Members:
1. How would you rate the overall work experience with members of your group?

2. Who did you not work well with and who did you work really well with?

3. Explain your opinion on this type of group project. (Why you like or don’t like this style of group work)

4. Rate the following members on their work/participation during the project timeframe AND explain why you gave them that grade. 1 is the lowest (member did not participate well with group and did not complete their assigned tasks) up to 10 being the highest grade (member participated well with group and completed all assigned tasks).

<table>
<thead>
<tr>
<th>Research Topic</th>
<th>Name</th>
<th>Grade (1–10)</th>
<th>Comments (use back if more space needed)</th>
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<tbody>
<tr>
<td>Climate</td>
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<td>Locations</td>
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Sign off for working in class:
_______________ Mon. 12/12 (A) or Tues. 12/13 (B)
_______________ Wed 12/14 (A) or Thurs. 12/15 (B)