BIOME RESEARCH PROJECT

Name: _______________________________________________________

Biome: ___________________________________________________________________

Project Due: Part One: Nov. 25  Part Two: Dec.10

Process Overview:

1. Biome Map: Print a world map that is linked on our classes webpage. Next, color the blank world map to show where different biomes are located. You can use the Biomes of the World link found under the World Map link on our site. Remember to create a key for your newly colored map. Define "biome" either at the top or bottom on the map.

2. Biome Web Research: First, we as a class will research one example biome together to better understand the expectations of the project. Next, you class will be divided into pods according to the biome you are interested in becoming an expert. In your research on biomes it will include a biome description, climate, plants, animals, and adaptations made by living things in the biome. You will plan your research and record data using the Research Form. Biome information can be found using the Internet Links found on the Adams website and other online resources. Your biome research can be supplemented using encyclopedias and other non-fiction books.

3. Scrapbook: After completing your biome research, you will each create a "biome scrapbook" document that presents the important information from your research and pictures supporting your research. This document must meet the requirements: including a title page, a description/climate page, animal pages, and plant pages. You will present your scrapbook to the class, discussing the adaptations of the plants and animals in that biome necessary for survival. Once each scrapbook review is complete, all members of the class should have a good understanding of the critical details of the six major biomes.

Reference: Mr. James Science Class
Biome Scrapbook

PART I:
Task: Research: Use Research Form provided in class.

After you have completed the research of your biome and are an “expert.” You are to create a scrapbook to showcase your research. Your research packet has the following pieces that should be included in your scrapbook.

1. Location of biome and general description (what biome looks like)

2. Climate of your biome (including temperature, precipitation, and seasonal changes)

3. Animals in your biome (research 3 animals)
   For each animal, research the following:
   Physical Description – what animal looks like
   Adaptations – physical and/or behavioral adaptations and how these help it survive
   What type of diet the animal has and interesting facts.

4. Plants in your biome (research 3 plants)
   For each plant, research the following:
   Physical Description – what plant looks like
   Adaptations – physical adaptations and how these help it survive

Research Due: 11-25-14

PART II

B) Creating Your Scrapbook – Your scrapbook must include the following:

Title and 3-5 pictures depicting biome

1. General Description, Location and Climate Page
   Paragraph containing description and location of biome (6-8 sentences)
   Paragraph containing information on biome’s climate (5-8 sentences)
   3-5 pictures (must include a map showing location of biome)

3. Animal Pages – one per animal
   Paragraph containing physical description of animal (5-8 sentences)
   Paragraph describing climate animal has to adapt to, adaptation(s), and how
   3-5 pictures of animal / environment
   adaptation(s) help the animal to survive (5-8 sentences)

4. Plants Pages – one per plant
   Paragraph containing physical description of animal (5-8 sentences)
   Paragraph describing climate plant has to adapt to, adaptation(s), and how

Reference: Mr. James Science Class
3-5 pictures of plant / environment adaptation(s) help the plant to survive (5-8 sentences)

Scrapbook Due: 12-10-13
# BIOME RESEARCH PROJECT

## Grading Rubrics:

<table>
<thead>
<tr>
<th>Group Research</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>Info complete relevant details multiple sources</td>
<td>Info complete relevant details single source</td>
<td>Missing info or details not relevant to Biome</td>
<td>Individual research incomplete or minimal effort</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>Insightful understanding &amp; application of information</td>
<td>Good Understanding &amp; application of information</td>
<td>Some information understood; no application</td>
<td>Information not understood or applied</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scrapbook</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Written</td>
<td>Written in paragraph form and exceeds the minimum sentences per paragraph (i.e. 10 sentences)</td>
<td>Written in paragraph form and meets the minimum sentences per paragraph</td>
<td>Written in paragraph form but do not meet the minimum sentences per paragraph (i.e. 4 sentences)</td>
<td>Not written in paragraph form, little explanation.</td>
</tr>
<tr>
<td>Visuals</td>
<td>5 or more pictures relevant to topic</td>
<td>4 pictures per page relevant to topic</td>
<td>3 pictures per page relevant to topic</td>
<td>Less than 3 relevant pictures per page</td>
</tr>
<tr>
<td>Spelling/ Grammar</td>
<td>Evident control of grammar, mechanics, spelling usage and sentence formation</td>
<td>Sufficient control of grammar, mechanics, spelling usage and sentence formation</td>
<td>Limited control of grammar, mechanics, spelling usage and sentence formation</td>
<td>Minimal control of grammar, mechanics, spelling usage and sentence formation</td>
</tr>
<tr>
<td>Bibliography</td>
<td>Multiple sources used and cited correctly</td>
<td>Multiple sources used and mostly cited correctly</td>
<td>Single source used and not cited correctly</td>
<td>No sources referenced</td>
</tr>
</tbody>
</table>

Reference: Mr. James Science Class