**Biome Research Project**

***Mostly Clothed But Still A Little Afraid***

You have signed up to compete in the (fictitious) “Fully Clothed but Still A Little Afraid” survival contest. You will be assigned a biome to research. You will be required to research your biome independently to collect information that will aid you in the assignment. Follow procedures and guidelines for assignment to increase your chances for survival (see survival rubric).

Research what materials and organisms will be available for you to fulfill your survival needs in the following categories: **Shelter, Food, Fire, Water, and Hazardous Organisms**. You will be given one machete and one metal pot at the start of the survival contest. Your research will be graded using rubrics for each category. Your scores will be used to determine the number of days they survive.

 The three biomes with the highest average length of survival will be granted incentive (extra credit) and be used in the next step of the lesson.

**Grading Rubric**

Days Survived Letter Grade

**250-300 A**

**200-249 B**

**150-199 C**

**100-149 D**

**99 or below F**

**List of biomes**

1. **Tropical Forest**
2. **Savannah**
3. **Desert**
4. **Chaparral**
5. **Temperate Grassland**
6. **Coniferous forest**
7. **Tundra**

Information can be researched about your biome from any location that biome is found.

* **60 Bonus days** for restricting research to a specific location within biome assigned by teacher (i.e. the Mojave Desert instead of all desert biomes).
* Information should be formatted in a word document **either written or a bulleted list**.
* You must organize your paper using the 5 headings listed below.

**Days Survived**

(Max Score)

 **Shelter:** Each item must include where you would find it and how you would use it

 **-10** 0 materials for shelter building --or--

+**15** 1-3 materials for shelter building --or--

+**30** 4-6 materials for shelter building

+**10** Diagram of your shelter using materials listed

 **Food:** Each ***animal*** must include a brief description for how you would hunt/capture that animal.

 -**20** 0 edible plants --or--

+**30** 1-3 edible plants --or--

+**60** 3-6 edible plants

+**10** Bonus days given for plants available year round

+**15** Bonus days given for plants you can propagate

 Details for how you would accomplish this must be included.

 -**10** 0 edible animals --or--

+**20** 1-3 edible animals --or--

+**40** 3-6 edible animals

 (animals that supply food also count i.e. eggs, milk)

+**5** Bonus days given for animals available year round

+**20** Bonus days given for a 1 page “**fact sheet**” on one of the edible organisms

 -Fact sheet must include photos, anatomical description, life cycle, habitat.

 **Water**

 -**30** 0 sources of water found --or--

+**30** 1 source of water found --or--

+**90** 2-3 sources of water found

+**20** Bonus days given to sources available year round

 **Fire:** Each item must include where you would find it and how you would use it.

 -**10** 0 materials for fire building --or--

+**30** 1-3 materials for fire building

+**10** Diagram of your fire building technique using materials listed

 **Hazards:** Each organism must include description and discussion of why it is hazardous

 **-90** 0 hazardous plants and animals --or--

+**30** 1-3 hazardous plants and animals --or--

+**60** 4-6 hazardous plants and animals

+**20** Bonus days given for a 1 page “fact sheet” on one of the hazardous organisms

 -Fact sheet must include photos, anatomical description, life cycle, habitat, hazards.