**AP Biology STEAM Hunger Project: Checkpoint #2 and Final Project Information**

**Checkpoint #2- Due 11/8/2019- Google Folder:**

Once each group’s topic is approved, the questions (given below) must be answered by each group and submitted to the Google Folder by 11/8. Before starting, each group must create an editable document which includes:

1. A heading with Block, Group #, Each member’s name
2. Each question, given below, copied and pasted into the editable document
3. The answer to each question must directly follow the question
4. Sources for each question (minimum of 2) must be given directly beneath each answer. The sources must be hyperlinked and may not include sources such as Wikipedia.

**Questions:** \**these have been slightly modified from the original questions given for Checkpoint #1*

1. Describe any downstream effects of the problem on public health, society, and/or ecosystems.
2. Identify factors that contribute to the problem and choose one factor that the group will focus upon.
3. Design an ‘intervention’ that includes specific steps that must be implemented to attain an achievable goal
4. Identify allies who could help implement the intervention and explain why your group believes they could.
5. Identify potential barriers, including groups that would most likely be opposed to the intervention, and feasible ideas and solutions for overcoming these barriers.

**Final Project and Presentation- Due 12/6/2019:**

Groups will use this information to create their final projects. Remember the goal of the project is to promote awareness of the hunger problem to create change. The requirements for the final project are:

1. **Final research paper**, which includes the most relevant information from Checkpoint #2. The final paper must be written in a cohesive manner and may not simply be a “cut and paste” of the questions answered in Checkpoint #2. Use APA format. Resources must be included. Both a hard copy and electronic copy (uploaded to Folder) are required.
2. **Power Point** (or Prezi) to be presented to the class by each group that identifies the main points of the hunger problem and feasible solution(s). It should ‘lead up’ to the group’s infographic. It should be visually appealing with ‘appropriate’ sized fonts (24-32 Pt is recommended). There should also be a balanced ratio of text to graphics. PPts should be between 7-12 slides in length and uploaded to Folder. Presentations, including displaying the infographic, must be 6-10 minutes in length and each group member must participate (speak) during the presentation. Deductions for going under or over the time allotment will apply.
3. **Infographic**- for hunger problem and solutions should also be visually displayed in the presentation, either electronically or by hard copy. A PDF electronic version must be uploaded to group’s Folder. \****Hard Copy of Infographic may be required for STEAM Symposium in April.***

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* 1. Purpose of Infographic: Visually represent information to help others clearly understand it. Infographics and associated information aim to allow the reader to draw conclusions.

The audience for this project will be the general population, so word and image choices should appeal to all people at the high school age and above. Essentially, your infographic will convey useful information in a concise and visually-pleasing manner.

* 1. Use one of the following websites to create your infographic.
     1. [www.canva.com](http://www.canva.com) (Ok to use, but make sure you can save as a PDF before using!)
     2. [www.piktochart.com](http://www.piktochart.com) (make it public so it can be viewed)
     3. [www.infogr.am](http://www.infogr.am)
     4. [www.easel.ly](http://www.easel.ly)
     5. Adobe Spark
  2. The infographic should:
     1. Have a clear layout, little text, a consistent color palate, and interesting images
     2. Convey information about the hunger problem you have chosen
     3. Provide links to sources used at the BOTTOM of the infographic (do NOT need to be formatted)
     4. Other tips: Think about ways to convert text to images; determine the desired look and use a consistent color scheme, font type, and structure to help achieve this; PROOFREAD (there’s nothing worse than finding an infographic that is grammatically incorrect!)

FYI- Group members will not necessarily receive the same grade. If the work load is not shared fairly or equally, there will be deductions for those who have not.