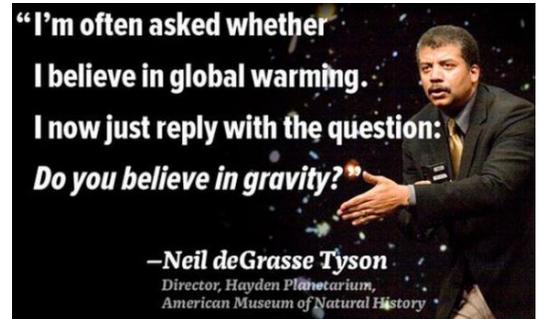




The **Impact** of Human Activity on the **Environment**

Science class is so great, right, learning about cute little bugs and fun little lab activities. WRONG! It was fun to teach you about pollination when you were 5, but your almost adults now, this is an actual crisis. This crisis is called Global Warming, and it is being fueled by the accumulation of greenhouse gases in the environment. This is not some political stunt or attempt to control you, this is realer than real deal Holyfield. “The beauty of science is that it is true whether or not you believe in it.” –Neil DeGrasse Tyson. If we continue the current trend of how we impact the environment, we will see an increase of 4 – 8 °C (that’s 39 – 46 °F) by then end of the century since pre-industrial levels. I don’t know about you, but it’s already hot enough in the summer for me. But heat is not the only problem, this result of heat and the new dynamic of our atmosphere would change life as we know it on **Earth... PERMANENTLY.**



Directions:

- ✓ You will work in groups of 2.
 - Groups of 3, only allowed if approved by teacher.
- ✓ You are going to choose one of the topics below.
- ✓ You are going to develop a solution to prevent these problems before it is too late!!!
- ✓ You are going to research specific terms and concepts as shown on the rubric.
- ✓ You will create a visual aid in the form of a poster, powerpoint, prezzi, google slide, etc...
 - You can even draw it on poster board if you want, be creative!! Get the attention of the people!!
- ✓ **50% of your grade will be based on teacher inspection of your visual aid.**
 - Specifically, if you included all content on your rubric.
- ✓ **50% of your grade come from your peers.**
 - Your peers (other students) will grade your group during your presentation/video using the rubric.

If peer grading effort is unsatisfactory, Instructor will double their score.

The diagram below explains the rubric!!

You must use the vocabulary correctly during your presentation, you don't have to define it, unless you need to do that to get your point across.

EUTROPHICATION, PESTICIDES & PLANTING MONOCULTURES

GROUP NAMES: _____

WHERE THE FOLLOWING VOCABULARY TERMS USED? 25 pts total (2.5 pts each)

<input type="checkbox"/> Phosphorus	<input type="checkbox"/> Runoff	<input type="checkbox"/> Soil Degradation
<input type="checkbox"/> Nitrogen	<input type="checkbox"/> Natural Selection	<input type="checkbox"/> Increased Water Use
<input type="checkbox"/> Nutrient Pollution	<input type="checkbox"/> Trait	<input type="checkbox"/> Disease

You must explain these concepts in your presentation, you are using the vocab terms to answer/explain these concepts.

WERE THE FOLLOWING CONCEPTS DISCUSSED WITH CLARITY? 25 pts total (4.15 pts each)

- What is Fertilizer one a elemental level? Why do farmers use? Can't the plants get that stuff naturally?
- What is the problem with fertilizer and rain?
- How do fertilizer runoff impact algae in local bodies of water, how does this impact those ecosystems?
- Can pesticides kill species that it is not targeting specifically?
- Explain issues that may arise regarding the use of pesticides due to natural selection.
- Why is planting monocultures bad?
 - Water, Soil, Disease, etc...

Your visual aid should represent your research, not the other way round.

VISUAL AID 25 pts total (8.33 pts each)

- The visual aid represent the concepts and vocabulary used in the presentation.
- The group refers to their visual aid often, but only reads from it very little or not at all.
- The visual aid is not wordy, it contains minimal text usage, that is important.

Add up Point totals from each section to calculate the total score. Each section is worth a possible of 25 points.

EFFORT! If it is obvious you put effort into this project you should get all 25 points.

PROFESSIONALISM 25 pts total (2.25 pts each)

- The visual aid is visually appealing. "it is like so pretty and eye catching"
- The group as a whole brought that energy, they were excited to tell me about their topic.
- The group give off the aura like they were experts in the field
- All group members a seemed to be EQUALLY important to the project.

TOTAL SCORE = _____