**Environmental Engineering Research Project**

Task: You will perform a group research project on a current technology that is being pioneered to address any current environmental issue we have studied in class. Topics may include human population growth, water pollution, air pollution, climate change, loss of biodiversity, or energy usage. As a group, you have the opportunity to choose technology that you want to focus your research project on.

**Presentations must be emailed to Ms. McDaniel (kmcdaniel@uascriminaljustice.org) by Tuesday, June 7th at 8:45 a.m. The subject of your email must be in the following format:** If ES Research Project First Names of group members. Only one member of the group needs to email the presentation; however, please make sure that you include all group members’ names on the first slide.

 Example Technologies:

* Solar powered cars
* Hydrogen fuel cells
* Desalination
* Ocean Thermal Energy Conversion
* Wavebob
* Green roofs
* Solar Panel Roadways
* Solar cell phone charger
* Personal Energy Generator (PEG)
* Plants and microbes that can clean up pollution (phytoremedation)
* Carbon sequestration
* CSP Plants

Your research project MUST include:

* A thorough description of how the technology functions
* Who invented the technology
* How the technology helps the environment
* 2 advantages of the technology
* 2 disadvantages of the technology
* At least 3 different sources cited in APA format

**Research:** Remember to cite ALL sources you use from your presentation. Please include them on a slide at the end of your presentation. Please do **NOT** reference information from cites such as Wikipedia or Yahoo Answers. If you wish to use information from Wikipedia, follow the links at the bottom of the page to determine if the information is valid.

**Presentation:** Do **NOT** copy paste text from a source onto your PowerPoint slide. Paraphrase the information and put it in bullet points. With PowerPoint presentations in general, less is more. Select only the main points to put on the slide.