

Information for Earth Science 001 Final Project

Timeline:

Saturday, June 30th – Topics must be chosen and submitted via Collaboration on Canvas, along with a url to a relevant, reliable website where you will begin your research.

Thursday, July 5th – You should have met with or emailed Professor Haddad about your topic, letting me know 1) what specific problem (aspect of your topic) you are focusing on in your presentation, and 2) what you plan to use as a visual aid for teaching.

Monday, July 9th – Sign-ups for a timeslot to give your 10-minute presentation.

Tuesday and Wednesday, July 10th and 11th – Presentations!

Topics:

Topics must address a societal issue at the intersection of Earth Science and human health, safety, progress, etc. Possible topics include but are not limited to: volcanic hazards, earthquake hazards, asteroid collisions, climate change and worsening storms, ocean acidification, sea level rise, eutrophication, desertification, land use changes, energy resources, minerals and human health, sustainability practices, environmental policies, extinction.

Goal:

You will inform the class about a **narrowly defined** aspect of your chosen topic (remember, ten minutes is NOT that long!), addressing *both problems and solutions*. The main goal is to educate us about the topic, using a visual aid teaching device. Many youtube videos that teach a specific scientific principle give a good example of an effective presentation (e.g. https://www.youtube.com/watch?v=Tk_iIzOUjTU teaches us about a renewable energy source, the science behind it, mentioning the possible problems and solutions to the problems, all while using a visual aid that effectively communicates the information.) You, too, should 1) inform us about the topic, 2) briefly address the science and 3) how it connects to what we are learning in class, 4) introduce a problem, 5) talk about possible solutions or ways to mitigate the problem.

Visual Aid:

You may choose to teach the class using a PowerPoint presentation, props, a simple experiment or demonstration, a flip chart on a stand, drawing on the white board, or a well-prepared handout. See <https://www2.le.ac.uk/offices/ld/resources/presentations/visual-aids> for tips on how to choose which visual aid might be the most effective for your presentation.

Research Resources:

You should conduct as much research as necessary to learn about your topic and prepare a good presentation, using only reliable, reputable sources. Check out this site for more information: <http://www.easybib.com/guides/students/writing-guide/ii-research/a-finding-sources/>. You can generally trust anything from science.gov, epa.gov, nasa.gov, noaa.gov, usgs.gov, geoscience.org, ipl.org, and most university (.edu) websites. Ask me if you aren't sure whether a website is a reliable source of information.