

GEOLOGY 21 Series – RESEARCH PROJECT for letter grade

**All homework projects may be turned in early, but will not be accepted late. The deadline for all research projects is by the start of the last full field day. Research projects should be delivered via e-mail or thumbdrive and must be accompanied by all the following pages.

Assignment structure:

- Spend some time researching your topical choice (see above for categories) through journals, papers, or online. (Keep track of sources and record in bibliography).
- Communicate what you've learned through a word document or Power Point. Use graphics (though always indicate where you got them from).
- Feel free to be creative with your completed project – you can use narrative, tell stories, but you must include sufficient facts and explanations.
- The length of your project depends on you, but it should take me no more than 5 minutes to review/read it. And I'm expecting it to take you no more than 5-6 hours of focused attention.
- REQUIREMENT – your submission must be your OWN work, whether in words or images. (*If it is discovered that you are using other people's words or images or work without giving them credit, you will not only get a 0 for this assignment, but a letter of reprimand in your student file.*)
- See website for examples of past projects.

Research topic choices should be pertinent to the field class you are taking.

You may propose your own topic, with approval of instructor.

Some suggestions, depending on which course you enroll in:

- Formation history and weathering characteristics of:
 - Chert
 - Shale
 - Serpentinite
 - Basalt
 - Sandstone
 - Granite
- Submarine Canyons – What are they? How do they form? Where are they around San Francisco? How do they affect sand migration?
- Sand dunes – What are they? How do they form? Where are they around San Francisco? How do they affect sand migration?
- City of Pacifica Coastal Policies – Historic and Today
- Mussel Rock Landslide
- Sand formation
- Golden Gate Bridge – When was it built? How? What were the challenges?
- Fort Point – History
- Fort Funston – History
- Sutro Baths – History
- Landslides

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Student Name: _____

If your project is chosen to be put online, do you give permission to do so? (Circle: Yes / No)

If your project is chosen to be put online, do you give permission to use your name? (Circle: Yes / No)

Signature and **date** (if answers are YES): _____



MASTER GRADING RUBRIC

Student name:		
Grading area	Grade	Grade
Effort	2 pts if effort clearly put into project 1 pt if moderate effort was put into project 0 pts if the assignment clearly was copied or put together at the last minute	
Content	2 pts if the content is accurate and there is a sufficient amount of it 1 pt if there is minimal content 0 pts if no actual scientific content is included	
Sources	2 pts if all sources cited properly (including images) 1 pt if source citations are insufficient 0 pts if there are no citations of sources	
Communication	2 pts if the project clearly communicates a message 1 pt if some of the project's message is difficult to understand 0 pts if it is difficult to understand any of the message of the project	
Enjoyment factor	2 pts if the project energizes the audience and engages them, pulls them in 1 pt if the project is moderately engaging 0 pts if the project is not engaging at all	
	TOTAL	

You must get a minimum of 8 pts out of 10 to get a B and 9 pts out of 10 to get an A.

Comments?