Lab 16a: earth: mapping my home with GIS

Part one: Google earth and my home

1. use google chrome browser to open google earth (earth.google.com)
2. open a new project, and save to google drive
3. locate your home on the earth (can be street or neighborhood)
4. check out street view there
5. print out a color picture of your town (color printer is in the elab)
6. zoom out to include your country, print another picture with your country circled
7. zoom out to include the world, with your country circled
8. pick one of the layers google earth and one of the pictures and print this
9. on a huge paper, glue these together, with a HUGE label on top: My home is---

Part two: Time lapse

1. open google earth on google chrome, click projects->new project->create in google drive
2. find the elab and the HPA campus
3. turn on historical imagery and look back in time: when were the solar panels installed?
4. go back to your home images, and look back in time-what do you notice?
5. use the ruler tool to measure some distance on the HPA campus
6. use the ruler tool to measure the distance from your home to your earlier school
7. measure how far it is from your home to HPA
8. how many meters do you have to walk to get from the elab to the cafeteria?
9. use google earth engine timelapse to see changes in glaciers: https://earthengine.google.com/timelapse

Part three: Simulations

1. open the google earth simulations here: https://www.google.com/earth/about/gallery/
2. find a few simulations you like and play
3. check out the climate change simulator here and look at Puako or other beaches on our island

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