Lab Final: amazing mystery island

Where is the island located?

It can be in any sea on earth.

- It is an island, after all...

Must include:

- Latitude and longitude
- Island population between 2-1000
- At least 3 streams from mountains to sea
- At least 3 ahupua’a bounded by ridges with a stream in the middle
- A renewable energy source
- At least one active volcano
- At least 3 biomes

Flora and fauna:

- Pigs.
- Chickens
- 1 animal of choice (NOT a unicorn)
- Each animal can be any known or unknown breed.

Transportation:

- to and from the island (no spaceships or teleportation)
- around the island (bike, ev, emoped?)

A structure:

- House at least 2 people comfortably and safely.
- Sustainable: made of local materials
- Harvest your own energy (solar, tidal, geothermal-no nuclear or fossil fuels)
- Grow your own food for two people year round
- Harvest your own water for two people, year round
- Purify water (this can be filters, but no chlorine)

Questions: to be added as text boxes on your awesome poster of awesomeness:

- What seasons it it has and how do the seasons affect the island?
- Which angle the sun dial has to be at in order to work properly?
- How many hours from GMT. (East or west)?
- What is the weather on your island?
- How could I get there from a spot you choose on the planet (navigation)
- What stars could you see from there?
- What is the ocean like around your island (reefs, surfing, fishing)?
- Pick a spot on your island for an earthquake and pick another spot farther away and show the P and S waves in a sample diagram, including times
- If a person were lost on one part of your island, locate them using peaks (triangulation)
- Calculate the altitude of the tallest volcano or mountain using tangent
- Show at least one part of your island that is vulnerable to tsunamis, and another that is protected
- Draw a line on your island of the predicted sea level in 2100, when you are about 90 years old

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