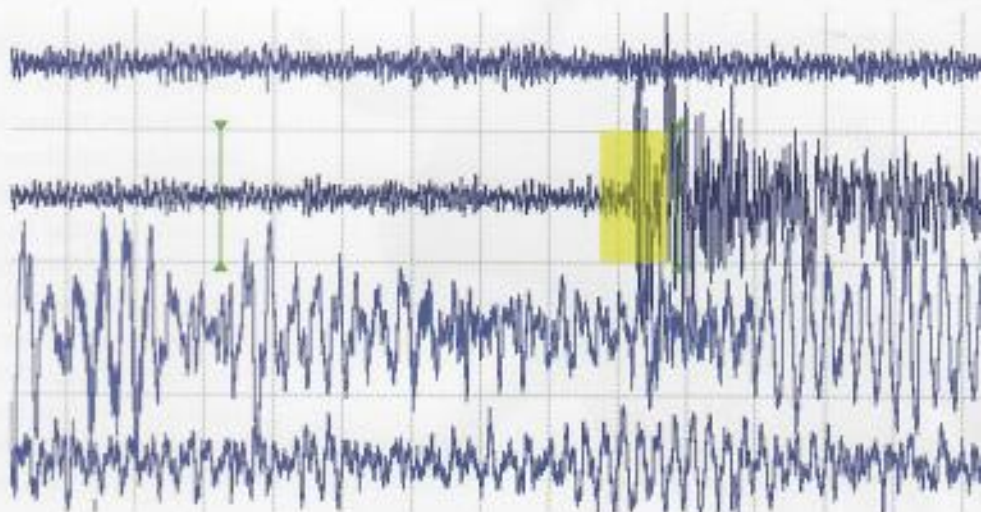


Earthquakes in the E-Lab

The seismic sensor in HPA's Energy Lab is part of the Pacific Tsunami Warning Network and gives students direct access to the entire Pacific warning system. According to E-Lab Director Dr. Bill Wiecking, "It's a learning tool unique to HPA, not found in universities or other high schools." Seen here, a graph of the 7.4 quake and aftershocks that struck off Japan on March 16, 2022.



COLLABORATIVE TURTLE RESEARCH UNDERWAY



A consortium of researchers including representatives from Stanford, HPA, and other schools will conduct a four-year project to deploy satellite tags on juvenile loggerhead turtles raised in Nagoya, Japan and released in the central North Pacific ocean. The study will test the hypothesis that juvenile loggerheads will transit the Pacific Ocean (west to east) all the way to Baja California when environmental conditions caused by El Niño and La Niña occur. The first trip is scheduled for March 2023 pending funding.

SOLAR BATTERY STORAGE NOW POSSIBLE FOR UPPER SCHOOL DORMS



With advances in battery technology paving the way, HPA is now actively seeking funding to bring extensive battery storage to the Upper Campus. While HPA's photovoltaic (PV) arrays have long collected more than enough energy to power certain areas of campus during daylight hours, thus far, the school has been unable to effectively capture and store energy generated during peak daylight hours (when the demand for energy is relatively low) for use in the early morning and evenings (when demand for energy is at its highest). Over the next three years, the school hopes to deploy new battery storage systems at Perry-Fiske, Robertson, and Carter Halls—which together house 180 Upper School students.