



Episode: ECO-307 Bugs, DNA & Redwoods

In this science-themed show, Jordan visits the Bohart Museum of Entomology on the campus of the University of California - Davis. There she finds displays with over 1 million bugs, insects and other invertebrates. Little did she know that she would end up holding a HUGE walking stick, found on some of the Caribbean Islands!! She also went in search of butterflies and found that they are affected by climate change. It's a story for bug lovers!



Some very interesting research is taking place at the Department of Energy's Joint Genome Institute. We're talking DNA from thousands of years ago extracted from permafrost!! Brendan paid them a visit to get the scoop on the latest studies with implications regarding climate change, and there he found two teens in lab coats helping out!

Then, trees that go back to when dinosaurs roamed the earth. Some of them can live more than 3,000 years! They are the majestic Redwoods. But what does the future hold for them? Is climate change affecting them too? Jalena talks to biodiversity scientist Dr. Healy Hamilton to find out.

Finally, geothermal energy...photosynthesis...sounds like work for scientists, right? These scientists are teens and they're learning about renewable energy and more at a national lab. They are part of the Berkeley Lab Internship Program. This program is very hands-on and these students are doing research for energy projects, building websites and making videos.