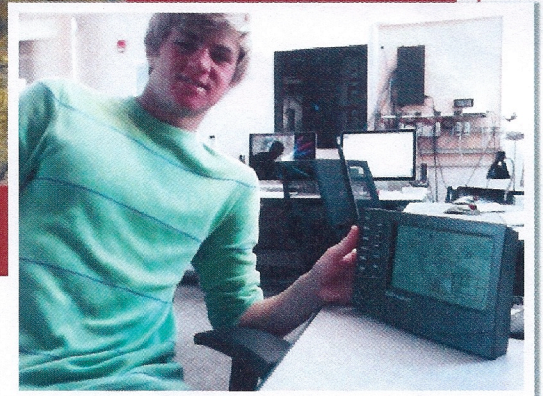


THE TOWER, AND ENERGY LAB



About Greentech

Greentech was a very interesting class and we learned many different skills that will help us throughout our lives. In the first semester we learned all about how to use the complicated aspects of computers, how they can be fixed, and how to control them. We learned how to weld, solder, and set up web-based video cameras. We also learned how to set up, and use hobo units, and how to set up TED units. We as a class also installed a windmill together, so that we could all understand how it works. I understand how green energy works so much better now. I think that Greentech is a very informative class, and I really like how it teaches us so many different skills. The best part is that these skills will be used by people in the class throughout our entire lives.

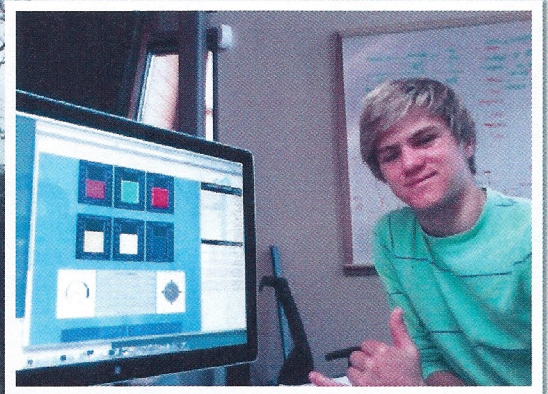


Davis Vantage Pro weather station transmitter



virtual weather station interface

CARSON'S WEATHER STATION



HERE WE HAVE THE TOWER AT THE TOP OF THE HILL WITH MY WEATHER STATION.

My first contribution to the HPA energy lab

Hi, i'm Carson, and my weather station is located at the top of the hill above the energy lab. The wind speedometer, and direction sensor is located at 50 feet high, at the top of the tower, but the weather station itself, and transmitter is only about 5 feet off the ground. It will serve to log weather using `mysql`, and `weather logger pro`. The weather station is able to keep track of the wind speed, sun intensity, temperature, and humidity. With this we will be able to make predictions about the weather for the different seasons in the future. This information will also come to serve us when we need to know exactly how much energy will come from any windmills we put up. The info from the weather station will also be displayed on a website for anybody around the world to access. This will serve everyone, from determining how much water could be attained from a catchment system, to deciding how warm to dress for school in the morning.