

## KidWind Challenge – Vernier Data Logging

**Objectives:** As a result of this kit, students will understand how to measure the output from a model wind turbine. Students will measure volts and current across a load (resistor) to calculate power in watts.

The KidWind Challenge Vernier Kit has all of the hardware needed to measure the power output from a model wind turbine like students build for the KidWind Challenge. With this hardware students will measure voltage and current across a resistor. The software (not included) used with the hardware can then calculate the power in watts.



**This kit includes:**

Vernier LabQuest  
Vernier Anemometer probe  
Vernier Energy meter  
Resistor board  
Alligator clips

**Additional Equipment Optional:**

Vernier Variable Load

\*See video with assembly instructions and tips at [https://www.youtube.com/watch?v=jFn9\\_UtGcHQ](https://www.youtube.com/watch?v=jFn9_UtGcHQ)

\*Any materials that are lost or broken during classroom use must be replenished before being returned. Probes can be purchased from Vernier.