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*

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