**Wind Turbine Blade Characteristic Investigation Stations**

**Objectives:** As a result of this activity, students will practice writing hypotheses, conducting experiments, and drawing conclusions. Students will also learn about the important characteristics of wind turbine blades.

The Wind Turbine Blade Characteristic Stations kit allows students to conduct small controlled experiments on each of four important blade characteristics. Each experiment includes three variations of the variable. Worksheets ask students to make a hypothesis and then perform the experiment and reflect on the results for all four characteristics – length, number, pitch and material.

**This kit includes:**
Set of blades of various lengths with signs
Ruler
Set of blades of various materials with signs
Set of blades to alter pitch with signs
Protractor
Set of blades to alter number with signs
Multimeters
Alligator clips
Worksheets

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