**Wind energy**

How can you harness the energy in the wind to generate electricity?

Get familiar with how wind turbines work for power generation. Don’t worry if it appears complex. We will present the theory, then design and test simple wind turbines in class.

A close-up of a microscope

Description automatically generated with low confidence

Use the links below to learn about wind turbines.

How wind Turbines work:

[**http://energy.gov/eere/wind/how-do-wind-turbines-work**](http://energy.gov/eere/wind/how-do-wind-turbines-work)

[**http://www.explainthatstuff.com/windturbines.html**](http://www.explainthatstuff.com/windturbines.html)

Wind turbine (blade) design

[**http://www.gurit.com/files/documents/2aerodynamicspdf.pdf**](http://www.learnengineering.org/2013/08/Wind-Turbine-Design.html)

[**http://www.learnengineering.org/2013/08/Wind-Turbine-Design.html**](http://www.learnengineering.org/2013/08/Wind-Turbine-Design.html)

[**http://science.howstuffworks.com/environmental/green-science/wind-power3.htm**](http://science.howstuffworks.com/environmental/green-science/wind-power3.htm)