

A small experiment on generating electricity with wind blades

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Wind is invisible--but powerful. This wind power experiment for kids shows how moving air can create motion and energy. Using simple materials, you'll make a colorful pinwheel and ...

This model demonstrates how wind energy is converted into electrical energy using a wind turbine. When air (wind) blows on the blades, it makes them rotate -- this rotation drives a DC ...

Discover how a wind turbine works, then build a simple wind turbine project with your students. This is a fantastic science fair project.

Want to explore wind energy with an easy, hands-on project? This simple wind turbine activity is a great way to learn about renewable energy and engineering with everyday materials.

In this experiment, you will measure the power output of a wind turbine, investigate the relationship between power output and wind speed, and design and test your own wind turbine blades.

Students learn how engineers transform wind energy into electrical energy by building their own miniature wind turbines and measuring the electrical current they produce.

Find out how a wind turbine can use the power of the wind to generate energy in this science fair engineering project. You'll design various blades to find out which produces the most energy, and put ...

This simple wind generator is a model for wind turbines used to generate electricity around the world. Though they operate on a larger scale, they use the same physical principles to convert wind energy ...

HST's wind energy experiments includes a pinwheel wind turbine. Printable pinwheel pattern included! Check out other alternative energy projects.

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Determine the effect of the number of blades, pitch and the design of the blades on the electricity produced by a Darrieus-type vertical axis wind turbine at low, medium and high wind speeds.

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