





Wind Technology

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Learning objectives

Understand how electricity can be generated from wind.

Effectively communicate how wind power has been used through history.

Display a wide range of ideas for the design of wind turbines.

Tasks

1a) On one Powerpoint slide show how energy can be changed by using wind to create electrical energy.

b) On the same slide show a timeline of how wind has been used throughout history as a source of power.

2) On one Powerpoint slide display as many different designs for wind turbines as you can find. This research will be important for your next lesson.



Plenary

Introduction to your task:

To design and make a prototype portable wind turbine that can be used when camping to provide power to small electronic devices. The turbine should be as small as is reasonably practical and should be able to be assembled and disassembled easily and should be inexpensive.

You will be presenting your design prototype to a “Dragons Den” type panel for funding.

For homework think about the design features for your turbine design.

