

## **SolarTech Power Solutions**

# **Solar Communication Base Station Wind Power Overview Lesson Plan**



## Overview

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Wind for Schools Curricula Portal on OpenEI4-H Group Wind Curriculum Education Resources from the Energy Department.

What will students learn in a wind energy lesson?

Students will understand how wind energy has been used in the past, how wind energy forms, how we use it to generate electricity, and the benefits and drawbacks of wind energy generation. Sign out the FREE kit that goes with this lesson. Contact: [education@hydro.com.au](mailto:education@hydro.com.au).

Is there a wind energy curriculum for schools?

This page provides a list of wind energy curricula and teaching materials for schools that can bring wind energy into the classroom. Educators for the Environment: Energy for Keeps includes a wind energy section.

What will I learn in wind energy engineering?

Students will examine the concept of renewable energy, and identify the challenges and complexities in wind turbine design and engineering. Students will understand how wind energy has been used in the past, how wind energy forms, how we use it to generate electricity, and the benefits and drawbacks of wind energy generation.

How can I help students learn about wind energy generating turbines?

Introduce students to vocabulary before lesson and allow more time to finish. Use videos and other materials in extension section. Research the various styles of wind energy generating turbines and how they are used. Peer assistance to work through folios and build turbines.

How do we use solar energy?

The steam turns a turbine and produces electricity that is sent to our houses via power lines, and used in our electrical items like a refrigerator. Or how solar energy is used by plants to create food so they can grow and then we, in turn, use the plants as food to provide energy for our bodies.).

How do you teach a student a turbine hub?

Show them a pre-built hub and go through steps briefly. There are images in their folios but a verbal and visual run-through adds to their level of understanding. 7) Show students the stations, how the fan and voltmeters work and how to place their turbine hubs onto the end of the motors.

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### Contact Us

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