



## Wicked Windmills - Websearch

**Junior Inventors** Name: \_\_\_\_\_

**Wicked Windmills - Websearch**

Research to find out some background information that relates to the story of William Kamkwamba (Watch the Digging Deeper video). Use key words to help you search and record your answers below.



Label Malawi and its capital city.	Many people are farmers in Malawi. What problems do they sometimes face?	To tell the amazing story of William Kamkwamba, a picture book has been created. What is the title of the book?
		
Make a list of facts about windmills.	William Kamkwamba spoke to people on a live show called TED talk. What does TED stand for?	Name three things William Kamkwamba used to help construct his first windmills.
1) 2) 3) 4) 5)	Bawo (Mancala) is Malawi's national game. Draw the board for the game. (Can you learn to play it?)	

Junior Inventors activity sheet © Skoolbo 2015

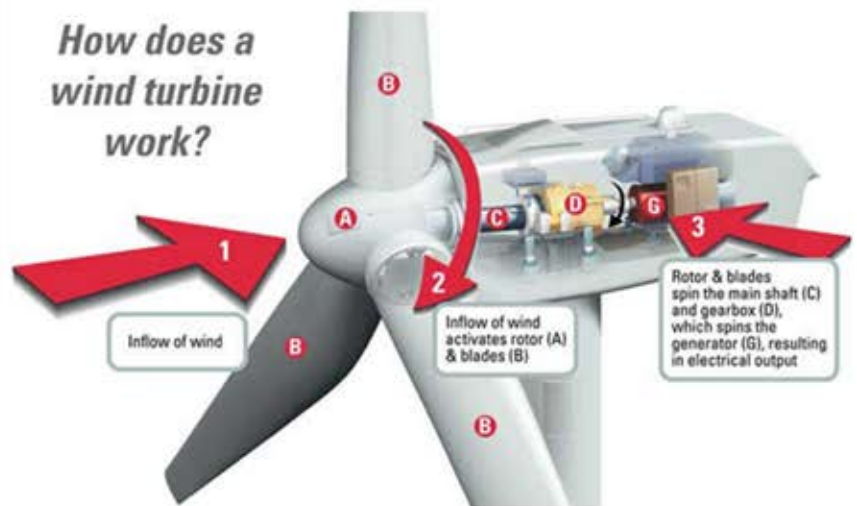
### Lesson Sequence:

Make paper windmills and test them out on a windy day.

Video: <http://bit.ly/1OJAUQn>

Steps: <http://bit.ly/1PZ1OEM>

**Finding Out:** Together, read the article, Wicked Windmills and watch the accompanying video. Identify where wind farms are located in locally or globally. Use the following diagram to discuss how the energy is captured and transferred.



**Discussion:** Talk about how windmills are used in different parts of the world. Label on a map some places with wind farms.

**Digging Deeper:** Watch the video in the digging deeper section of the Wicked Windmills article. (A beautiful story of a 14 year old boy, who built his own windmill in Malawi)

**Activity Sheet:** Students research to answer a range of questions that relate to the story of William Kamkwamba, the boy who harnessed the wind and his homeland of Malawi.

## TIPS TO SUPERCHARGE YOUR LESSON

### Windmill vocabulary

windmill generator turbine  
rotation speed blades

inflow blade rotor  
gearbox electricity wind direction