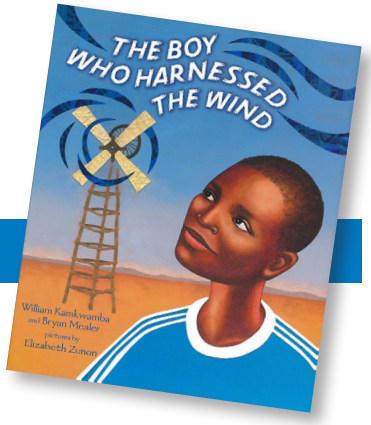
# The Boy Who Harnessed the Wind




## RIF EXTENSION ACTIVITIES FOR EDUCATORS

### THINK-TAC-TOE ACTIVITY OPTIONS

- Individual students can choose an activity to complete.
- Student pairs or cooperative groups can work together on a choice of their own.
- Educator can assign an activity for an individual, pairs or groups.

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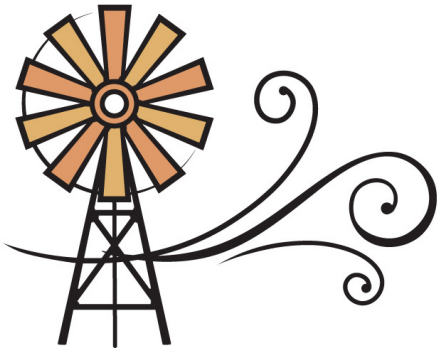
| **INNOVATIVE INVENTIONS**<br>From toilet paper to light bulbs; bubble gum to blue jeans, everywhere you look you see an invention. Choose the one invention you think you think is the most innovative. Prepare a presentation of your choice to show why you think this invention is tops!<br>*Science, Writing, Social Studies* | **IN THE NEWS!**<br>As a reporter for the local newspaper, write a newspaper article about William and his recent accomplishment, constructing a windmill. Make sure to answer the journalism questions: who, what, when, where, why, how and so what? Have an eye-catching headline so people will read your article!<br>*Writing, Science* | **EXPENSIVE EDUCATION**<br>William was desperate to stay in school but couldn't because of money. The school fees in Malwai were $80. Create a display that shows how much money it costs per day to attend school. What do you think the money covers per day? Compare this to your experience. Is $80 too much or too little based on your findings?<br>*Math, Social Studies* |
| **IN HIS SHOES...**<br>Make a Venn diagram to compare your experiences at home and school to William's. What are the similarities and/or differences? Do you think William would have had the same motivation if he lived in your area now?<br>*Language Arts, Social Studies* |  | **DEAR DIARY**<br>Find out what William was thinking by watching his documentary at **http://movingwindmills.org/documentary.** Choose a period of William's life: before, during or after the windmill project. Write a diary entry from William's perspective, reflecting the thoughts he may have had on that day.<br>*Technology, Writing* |
| **MINI WINDMILL**<br>Draw a circle about three inches in diameter and cut out. Find the center of the circle. Divide circle into 8 even wedge shapes. Cut along lines to about 1/4 inch from the center. Place a push pin through center onto pencil eraser. Gently bend down one corner on each wedge. Be sure to use the same angle each time. Will it spin in the wind?<br>*Science, Engineering , Math, Art* | **COMING TO A THEATER NEAR YOU**<br>*William and the Windmill* is the documentary film about William Kamkwamaba. Create a movie poster to feature this documentary so that others would want to see this amazing story. When finished, log on to **www.williamandthewindmill.com** to see the original. What was the focus of it? What is the focus of yours?<br>*Art, Language Arts, Technology* | **WISEST WIND TOOL**<br>An anemometer measures how fast the wind is blowing. Google "how to make an anemometer." Copy the directions; compare the process and the materials needed from at least 2 different sites. Which anemometer do you think would be the most efficient? Include a diagram of your choice to help explain your reasoning.<br>*Science, Technology, Math* |

STEAM-THEMED: SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATH