

internef



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THANK
YOU

Dear Teachers,

In honor of Teacher Appreciation Week, NEF extends a big, huge THANK YOU! The magic conjured in classrooms is what inspires imagination and makes the future brighter. Your early mornings and late nights do not go unnoticed.

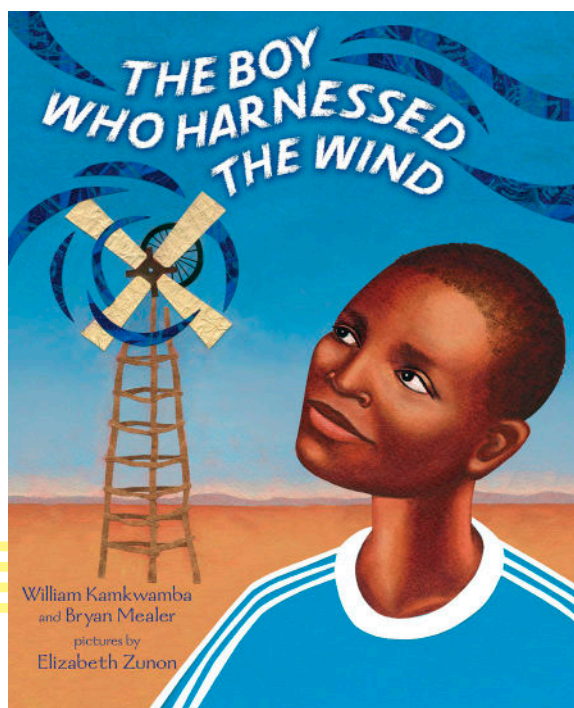
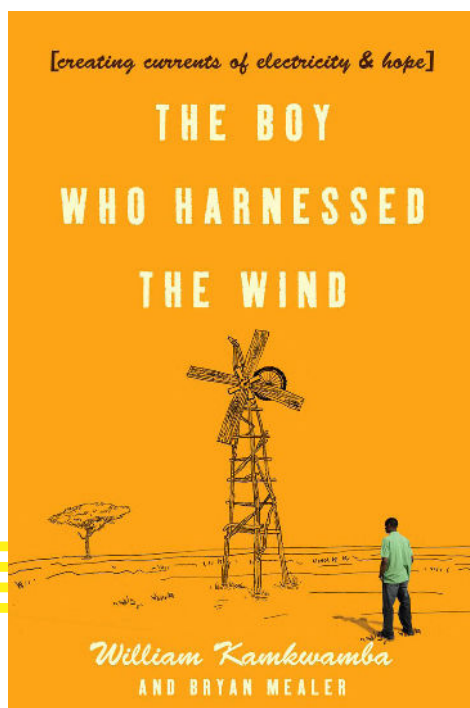
Without the strength and commitment of the amazing nationwide network of educators, our mission would be unattainable. You are community leaders and our students deserve no less. Thank you for the astounding impact you have on our collective future!

Sincerely,
NEF

Teacher Appreciation Week: May 1 - 5

Energy in Literature

NEF believes there is power in every human to improve community through energy education and individual action. The book highlighted below is a wonderful example of the power of one. We encourage anyone who considers themselves an energy educator to read, share and be inspired.



The Boy Who Harnessed the Wind

by Bryan Mealer and William Kamkwamba

“The Boy Who Harnessed the Wind” is an exceptional book that embodies what it means to be energy literate and apply that literacy to improve community. The true story follows co-author William Kamkwamba through the ups and downs of life in his small Malawian village. As a young teenager, poverty, hunger and poor grades in school left William without opportunities to improve his individual situation. His village was quickly slipping into famine and starvation. William’s decision to take time away from school to help his family survive sends him on a wild new trajectory.

William’s passion for learning, especially when it came to science, was not deterred despite the lack of opportunity for a formal education. When a library became available to him, William took education into his own hands. His childhood

was spent with his friend James; taking apart radios and other electronics discovering how they worked. Using that rudimentary knowledge of electronics and what he learned from library books, William creates a plan to bring electricity to his village. A plan hinging on his ability to create a wind turbine.

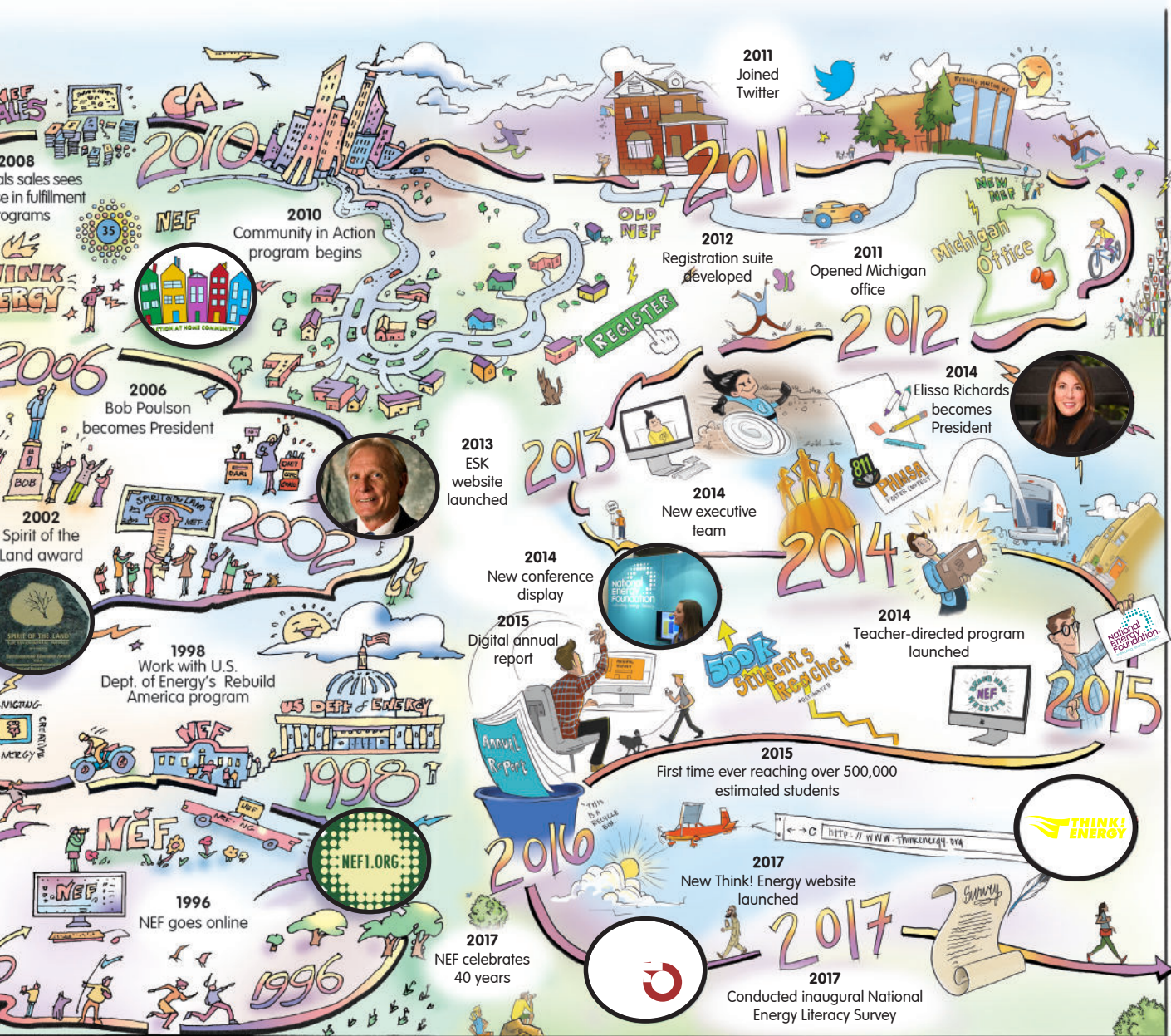
Years of hard work and scavenging junk piles for scraps changed the way his village, and the neighboring villages, would exist forever. William’s journey takes him from being mocked as the crazy boy who believed in electric wind to nothing short of a hero.

William’s story rolls the power of education, individual commitment and affordable energy into an inspirational tale that appears too amazing to be true. But it is true and remarkable. Originally written in 2009, the book now has a young readers’ edition as well. It is a great read and between the two versions, the story is perfect for every learner.



The National Energy Foundation (NEF) recently celebrated its 40-year anniversary. To commemorate this accomplishment, we are sharing our history visually. NEF artist, Jon Burton, created an artistic rendition of a timeline with milestones from the inception of the organization in 1976 to 2010 for the 35th anniversary issue of the InterNEF. Current in-house artist, Cory Heslop, has continued the timeline with additional milestones to present day.

Milestones and Memories: 40 Years and Counting



Momentous milestones to look for:

- 3 successful presidents
- New programs! Out of the Rock and Think! Energy added to the lineup
- NEF goes online
- Opened an office in Michigan
- National Energy Literacy Survey – big things to come in 2017!

The Cost of Looking Your Best

Activity

It takes energy to look your best. Energy is needed to shower, blow-dry your hair, brush your teeth and wash and dry your clothes. Use the chart below to estimate the energy costs for looking your best.

Here Is How:

Estimate the daily and weekly activities below:

Enter the number in the column labeled "Units"

- Multiply the "Units" by the "Cost per Use" column
- Write your answer in the "Cost for Activity" column
- Enter the "Cost of Activity" in the next column before the multiplication sign
- Enter the number of times per month each activity is performed and write that number in the "Times per Month" column, to the right of the multiplication sign
- Multiply and enter your answer in "Monthly Cost"
- Multiply by 12 to calculate your "Yearly Cost"

Not everyone can build a wind turbine for their community like William Kamkwamba, but everyone should do something in energy awareness, conservation and efficiency. This activity is a great way to involve students with their own energy use at home.

INDIVIDUAL DAILY ACTIVITIES

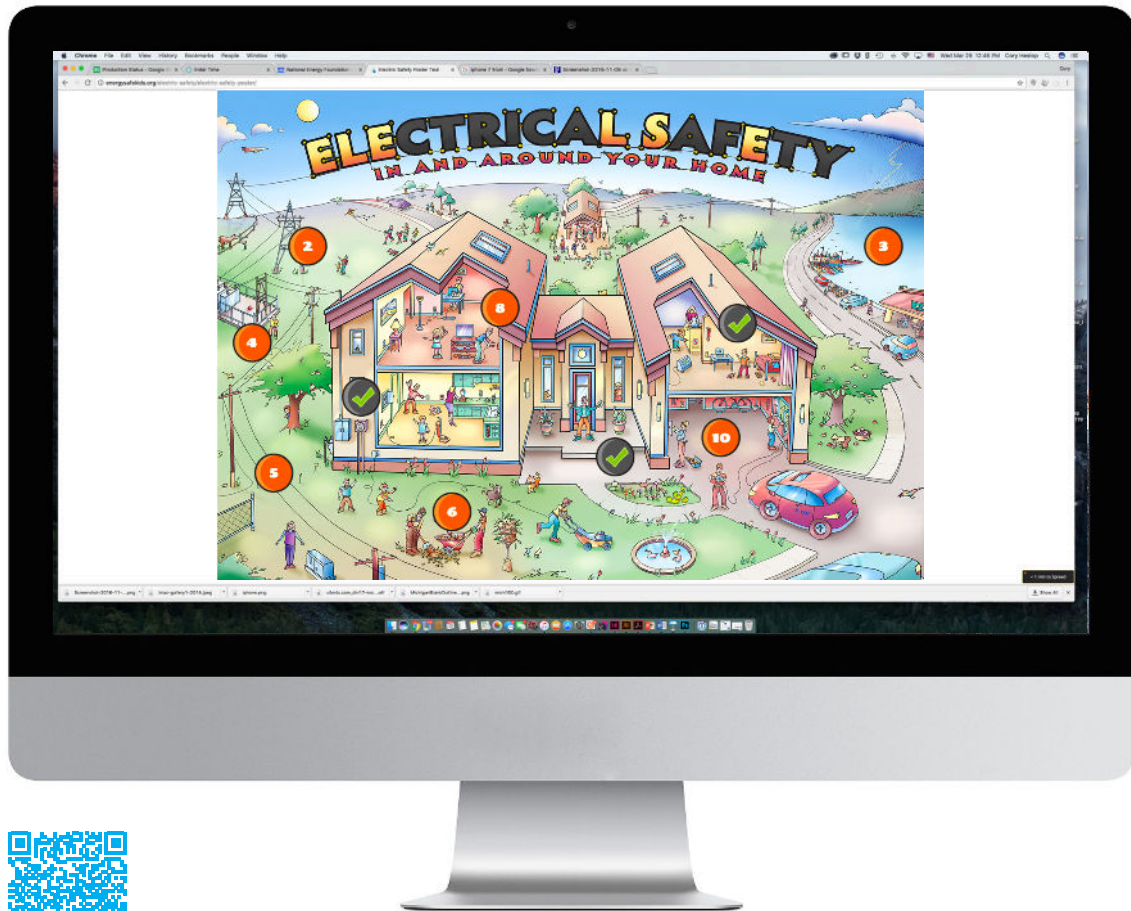
ACTIVITY	UNITS	COST PER USE	ACTIVITY UNIT COST	ACTIVITY UNIT COST x NUMBER OF TIMES PER MONTH	MONTHLY COST	YEARLY COST
Shower	minutes	x \$0.08		x	=	x 12 =
Tub Bath	inches	x \$0.08		x	=	x 12 =
Hand/Face Wash	minutes	x \$0.02		x	=	x 12 =
Blow Dryer	minutes	x \$0.03		x	=	x 12 =
Individual Hygiene Subtotal						

WEEKLY ACTIVITIES – Estimate Individual Laundry

Washing Clothes/Hot Water	loads	x \$0.92		x	=	x 12 =
Warm Wash/Cold Rinse	loads	x \$0.59		x	=	x 12 =
Cold Wash/Cold Rinse	loads	x \$0.05		x	=	x 12 =
Drying Clothes: (Natural Gas)	loads	x \$0.14		x	=	x 12 =
Drying Clothes: (Electric)	loads	x \$0.78		x	=	x 12 =
Individual Laundry Subtotal					\$	\$
GRAND TOTAL – Add Two Individual Subtotals Together					\$	\$

Cost estimated at \$0.12 per kWh and \$0.81 per therm

Digital Posters Debut!



The National Energy Foundation (NEF) offers interactive posters online to engage visitors learning about energy! For website inclusion and customization opportunities, contact Danielle at danielle@nef1.org!





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InterNEF provides insights from the energy industry, education community and the National Energy Foundation.

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The National Energy Foundation (NEF) is committed to providing quality energy education to students across the United States. In the last year alone, NEF conducted more than 60 energy education programs with students in 41 states. In these states, NEF partnered with nearly 12,000 local teachers in educational workshops, classroom presentations and energy-related curriculum distribution. As a result of this partnership, more than 390,000 students and their families have benefited from energy education either by direct interaction with NEF representatives or with those quality educators who participate in NEF programs.

Why has the work of this nonprofit foundation been so successful? Why are educators all over the nation eager to join NEF’s diverse energy education programs? Simply put, energy education has never been more important. Never has a working understanding of the economic and ecological issues related to energy consumption been as vital as it is today. We believe that students who adequately understand energy issues will be empowered to make critical decisions in the future which will positively affect their individual lives, the lives of their families, as well as the cities, states and nations they call home.

NEF is proud to partner with educators and school districts in the effort to improve energy literacy in the nation’s rising generation. With former educators throughout the organization, NEF is highly sensitive to the already rigorous demands placed on educators, especially as it relates to using classroom time effectively. As such, our programs and materials are correlated to the Common Core State Standards and the Next Generation Science Standards, as well as individual state standards and STEM learning objectives. We are serious about not only energy education but also about supporting those teachers engaged in the same work.

This spring we are conducting a groundbreaking national energy literacy survey with high school seniors. We are anxious to evaluate and share what these students know and understand about energy. The results will guide us and others as we move forward in a continued effort to cultivate an informed society who can successfully meet the energy challenges of this century.