



LEE & LOW BOOKS



STEM

Diverse Reading List

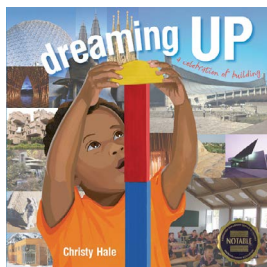


Showing diversity of people and communities in **science, technology, engineering, and mathematics** is critical to inspiring and preparing our next generation of thinkers, leaders, and citizens. This beautiful collection of STEM titles features innovators and trailblazers from diverse backgrounds and historically underrepresented/excluded communities protecting Earth's ecosystems.

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Grades PreK-2

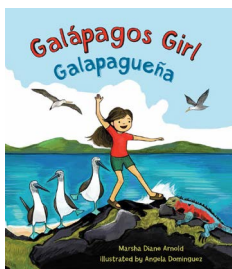
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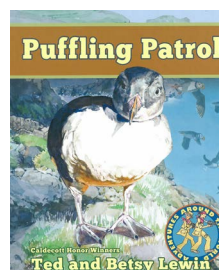
Dreaming Up: A Celebration of Building • written and illustrated by Christy Hale • A picture book that connects great works of architecture to the ways children build and play.



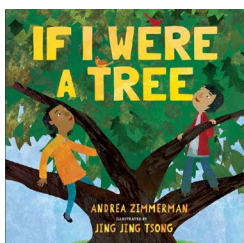
¡Olinguito, de la A a la Z! Descubriendo el bosque nublado / Olinguito, from A to Z! Unveiling the Cloud Forest • written and illustrated by Lulu Delacre • Using the framework of the Spanish alphabet, this bilingual nonfiction book introduces readers to a cloud forest in the Andes; the plants, animals, and other organisms found there; and the newly-identified olinguito, a South American mammal. *Bilingual English/Spanish.*



Galápagos Girl / Galapagueña • written by Marsha Diane Arnold, illustrated by Angela Dominguez • This charming picture book introduces the fascinating creatures of the Galápagos Islands through the life of one very lucky girl. *Bilingual English/Spanish.*



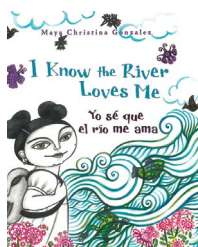
Puffling Patrol • written and photographed by Betsy and Ted Lewin • Ted and Betsy Lewin travel to Iceland to learn about the "Puffling Patrol", a group of children who rescue lost puffins and return them to sea.



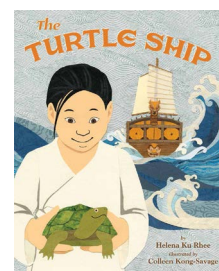
If I Were a Tree • written by Andrea Zimmerman, illustrated by Jing Jing Tsong • Two siblings journey into the woods in a tender story of branching out and new growth from acclaimed writer Andrea Zimmerman and *New York Times* bestselling illustrator Jing Jing Tsong.



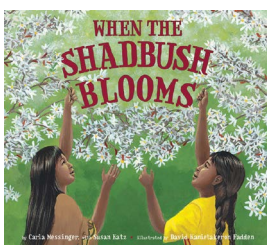
Rainbow Weaver / Tejedora del arcoíris • written by Linda Elovitz Marshall, illustrated by Elisa Chavarri • A young Mayan girl isn't allowed to use her mother's thread to weave, so with a little ingenuity, she discovers how to repurpose plastic bags to create colorful weavings. Based on an actual recycling movement in Guatemala. *Bilingual English/Spanish.*



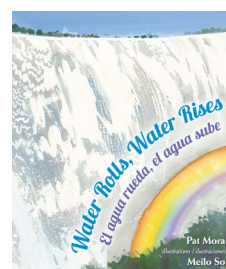
I Know the River Loves Me / Yo sé que el río me ama • written and illustrated by Maya Christina Gonzalez • Listen... Can you hear the river calling you? Rushing and bubbling, splashing or still, the river has so much to teach us. *Bilingual English/Spanish.*



The Turtle Ship • written by Helena Ku Rhee, illustrated by Colleen Kong-Savage • A young Korean boy named Sun-shin designs one of the greatest battleships in history and fulfills his dream of sailing the world.



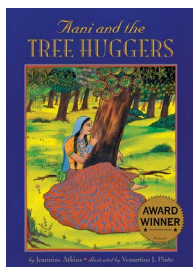
When the Shadbush Blooms • written by Carla Messinger with Susan Katz, illustrated by David Kanietakern Fadden • A young Lenape Indian girl observes and reflects on the small, important ways her family today, and her ancestors generations before, celebrate the cycle of seasons.



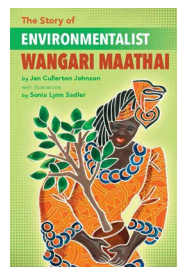
Water Rolls, Water Rises / El agua rueda, el agua sube • written by Pat Mora, illustrated by Meilo So • In a series of poetic verses in both English and Spanish, readers learn about the movement and moods of water around the world and the ways in which water affects different landscapes and cultures. *Bilingual English/Spanish.*

Grades 3-5

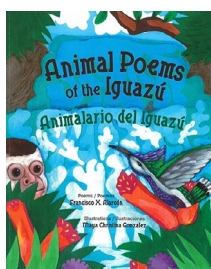
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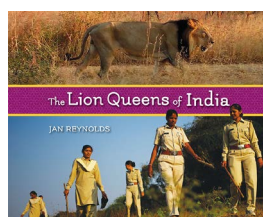
Aani and the Tree Huggers • written by Jeannine Atkins, illustrated by Venatius J. Pinto • A village girl in India inspires the women around her to save their beloved forest.



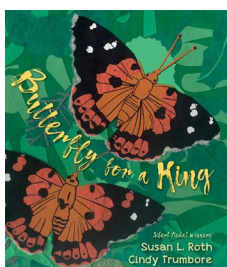
The Story of Environmentalist Wangari Maathai • written by Jen Cullerton Johnson, illustrated by Sonia Sadler • This inspiring entry in the "Story of" line of chapter-book biographies features Wangari Maathai, the first African woman, and environmentalist, to win a Nobel Peace Prize.



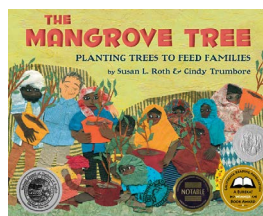
Animal Poems of the Iguazú / Animalario del Iguazú • written by Francisco Alarcón, illustrated by Maya Christina Gonzalez • Let's listen to / the green voice of the rainforest. The animals of the Iguazú speak for themselves, creating a collection of poems that will resonate with readers of all ages. *Bilingual English/Spanish.*



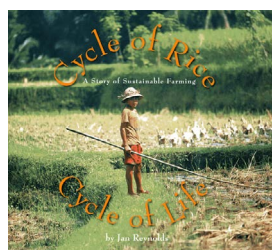
The Lion Queens of India • written and photographed by Jan Reynolds • Award-winning photojournalist Jan Reynolds offers readers a fascinating glimpse into the world of the endangered Asiatic lions and the female forest rangers who fight to save them.



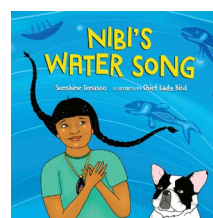
Butterfly for a King: Saving Hawai'i's Kamehameha Butterflies • written by Cindy Trumbore and Susan L. Roth, illustrated by Susan L. Roth • The fascinating true story of a beautiful native Hawaiian butterfly, a great Hawaiian warrior king, and current-day efforts by scientists and citizens to restore the butterfly's declining population.



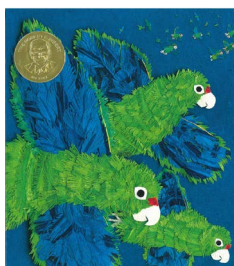
The Mangrove Tree: Planting Trees to Feed Families • written by Susan L. Roth and Cindy Trumbore, illustrated by Susan L. Roth • The fascinating story of Dr. Gordon Sato, who helped a small African village become self-sustaining by planting a forest of mangrove trees to reshape the community's ecosystem.



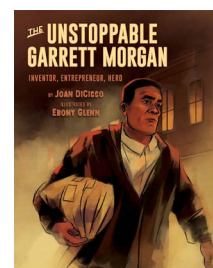
Cycle of Rice, Cycle of Life: A Story of Sustainable Farming • written and photographed by Jan Reynolds • A photographic exploration of the cycles of traditional Balinese rice farming, a dynamic model of earth-friendly agriculture that connects a unique culture with the natural world.



Nibi's Water Song • written by Sunshine Tenasco, illustrated by Chief Lady Bird • This bright and vivacious book from two Native creators celebrates the energy, moxie, and determination of water activists of all ages.



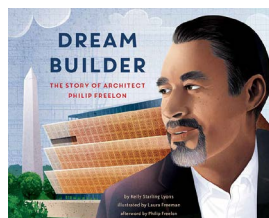
Parrots Over Puerto Rico • written by Susan L. Roth and Cindy Trumbore, illustrated by Susan L. Roth • A nonfiction picture book about the history of Puerto Rico and the Puerto Rican parrot, which was brought back from the brink of extinction.



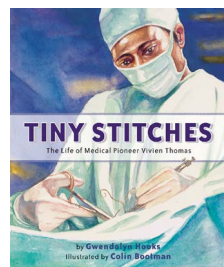
The Unstoppable Garrett Morgan: Inventor, Entrepreneur, Hero • written by Joan DiCicco, illustrated by Ebony Glenn • Garrett Morgan, a prolific African American inventor and entrepreneur, must test his latest invention in a daring rescue after an explosion at the Cleveland Waterworks.

Grades 6-8+

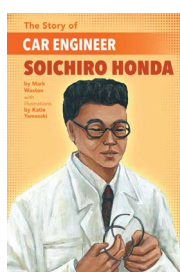
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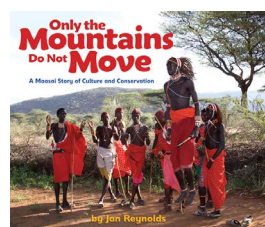
Dream Builder: The Story of Architect Philip Freelon • written by Kelly Starling Lyons, illustrated by Laura Freeman • You've seen the building. Now meet the man whose life went into it.



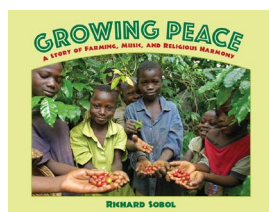
Tiny Stitches: The Life of Medical Pioneer Vivien Thomas • written by Gwendolyn Hudson Hooks, illustrated by Colin Bootman • The life story of Vivien Thomas, an African American surgical technician who developed the first procedure used to perform open-heart surgery on children.



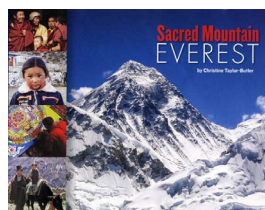
The Story of Car Engineer Soichiro Honda • written by Mark Weston, illustrated by Katie Yamasaki • Meet Soichiro Honda, the innovative motorcycle and car manufacturer and Japanese business pioneer.



Only the Mountains Do Not Move: A Maasai Story of Culture and Conservation • written and photographed by Jan Reynolds • A photographic essay about contemporary Maasai-- the changes in lifestyle, land, and farming practices they face and how they are adapting to those changes.



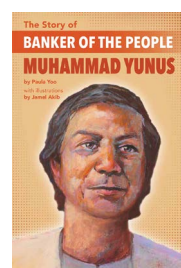
Growing Peace: A Story of Farming, Music, and Religious Harmony • written and photographed by Richard Sobol • This photo-essay focuses on Jewish, Muslim, and Christian families in a Ugandan village who learned to live and work together peacefully as the result of a Fair Trade farming cooperative organized by local farmer and musician J.J. Keki.



Sacred Mountain: Everest • written and photographed by Christine Taylor-Butler • A photo-essay exploring the cultural, geological, and ecological history of Mount Everest, focusing on the indigenous Sherpa and their spiritual connection to the mountain, record-setting climbing expeditions, and the effects of tourism on the environment.



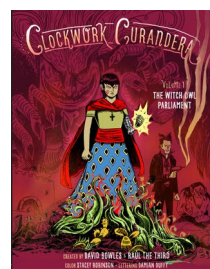
Grand Theft Horse • written by G. Neri, illustrated by Corban Wilkin • Author G. Neri returns to graphic novels with the powerful story of his cousin Gail Ruffu, who stole a racehorse in order to save it, and ended up fighting the whole racing industry for the humane treatment of animals.



The Story of Banker of the People Muhammad Yunus • written by Paula Yoo, illustrated by Jamel Akib • Meet Nobel Peace Prize winner Muhammad Yunus, who revolutionized global antipoverty efforts by developing the innovative economic concept of micro-lending.



The Shadow Prince • written by David Anthony Durham • In this middle grade solarpunk novel set in an alternate Egyptian universe, twelve-year-old Ash must compete and survive to become the shadow--and protector--of the prince.



Clockwork Curandera: The Witch Owl Parliament #1 • written by David Bowles and Raúl the Third, illustrated by Stacey Robinson and Damian Duffy • Discover a graphic novel unlike any other--a brilliant steampunk reimagining of Frankenstein set in colonial Mexico. Also available in Spanish

For more STEM-related resources, consult the following organizations and book lists for additional information, text suggestions, and lesson ideas:

National Science Teaching Association (NSTA): <https://www.nsta.org/>

International Society for Technology in Education (ISTE):
<https://www.iste.org/about/about-iste>

National Science Foundation (NSF): <https://www.nsf.gov/>

NASA Materials for the Classroom: <https://www.nasa.gov/offices/stem/centers/marshall/classroom/index.html>

Best STEM Books from the Children's Book Council: <https://www.cbcbooks.org/readers/reader-resources/best-stem-books-list/>


Best STEM Books K-12 from NSTA: <https://www.nsta.org/best-stem-books-k-12>





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