

Science Technology Engineering Arts Math

Educators' Guide

STEAM is an integrated and creative approach to discovering and applying knowledge to solve problems in the real world. Science, Technology, Engineering, Arts, and Math books for students in grades K to 12 can not only deliver background knowledge but also provide context and inspiration to readers. Look inside this brochure to find books designed to challenge students to go beyond their limits.

Books to Inspire . . .

We do not simply want our students to learn about our world; we want them to learn in ways that motivate them to protect it. We cannot teach our students to solve complex science, engineering, and math problems without inspiring them to experiment. By providing students with an arts education, we facilitate visual learning and encourage creative approaches to find nontraditional solutions. From *Emma and the Whale*, a picture book about one girl's endeavor to save a beached whale, to *Insanely Great: Steve Jobs*, a graphic nonfiction biography of Apple's creator written for young adults, our books inspire creativity and experimentation.

For these reasons, we are proud to showcase fiction and nonfiction books that not only deliver background knowledge but also model the potential uses of science, technology, engineering, arts, and math. STEAM books belong in science and math classrooms as well as in English, social studies, and arts lessons. A comprehensive STEAM education can spark a passion for scientific inquiry and help develop more informed custodians of our planet.

Your friends,

RHCB School & Library Team

How to Include Arts Education in Science and Math Classrooms

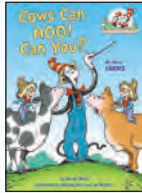
- Help students visualize scientific or mathematic concepts by creating diagrams, collages, dioramas, or other art projects—activities that develop fine motor skills necessary for work in STEAM fields.
- Teach about the environment, recycling, and resources by using recycled materials in crafts projects.
- Use physical movement or song to help students learn and retain key science and math concepts.
- Read fiction and nonfiction books to inspire students with characters and figures who are engaged deeply with science, technology, engineering, arts, and math.



The Cat in the Hat's Learning Library

Bring concepts to life for beginning readers with Dr. Seuss and The Cat in the Hat's Learning Library—a fun-filled exploration of science and math! For more Dr. Seuss titles, visit Seussville.com.

ANIMALS



Cows Can Moo! Can You?
Bonnie Worth
Grade PreK-3
HC: 978-0-399-55524-4
EL: 978-0-593-12656-1



Fine Feathered Friends
Tish Rabe; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-679-88362-3
EL: 978-0-593-12657-8



High? Low? Where Did It Go?
Tish Rabe; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-449-81496-3
EL: 978-0-593-12658-5



If I Ran the Horse Show
Bonnie Worth; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-86683-8
EL: 978-0-593-12663-9



Is a Camel a Mammal?
Tish Rabe; illustrated by Jim Durk
Grade PreK-3
HC: 978-0-679-87302-0
EL: 978-0-593-12665-3



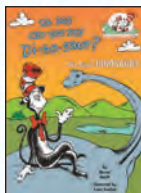
If I Ran the Dog Show
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-86682-1
EL: 978-0-593-12662-2



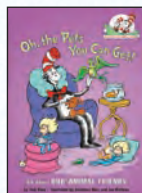
Miles and Miles of Reptiles
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-82884-3
EL: 978-0-593-12666-0



My, Oh My—a Butterfly!
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-82882-9
EL: 978-0-593-12667-7



Oh, Say Can You Say Di-no-saur?
Bonnie Worth
Grade PreK-3
HC: 978-0-679-89114-7
EL: 978-0-593-12645-5



Oh, the Pets You Can Get!
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-82278-0
EL: 978-0-593-12647-9



On Beyond Bugs!
Tish Rabe; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-679-87303-7
EL: 978-0-593-12649-3



Once upon a Mastodon
Bonnie Worth
Grade PreK-3
HC: 978-0-375-87075-0
EL: 978-0-593-12671-4



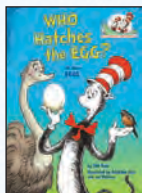
Out of Sight Till Tonight!
Tish Rabe; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-87076-7
EL: 978-0-593-12673-8



A Whale of a Tale!
Bonnie Worth; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-82279-7
EL: 978-0-593-12653-0



What Cat Is That?
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-86640-1
EL: 978-0-593-12677-6



Who Hatches the Egg?
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-449-81498-7
EL: 978-0-593-12678-3



Wish for a Fish
Bonnie Worth
Grade PreK-3
HC: 978-0-679-89116-1
EL: 978-0-593-12680-6

ENVIRONMENT



Clam-I-Am!
Tish Rabe; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-82280-3
EL: 978-0-593-12655-4



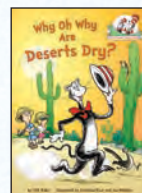
I Can Name 50 Trees Today!
Bonnie Worth; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-82277-3
EL: 978-0-593-12660-8



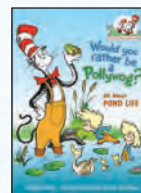
Oh, Say Can You Seed?
Bonnie Worth; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-81095-4
EL: 978-0-593-12669-1



Safari, So Good!
Bonnie Worth; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-86681-4
EL: 978-0-593-12674-5



Why, Oh Why Are Deserts Dry?
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-375-85868-0
EL: 978-0-593-12679-0

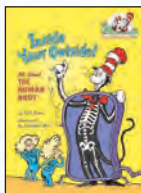


Would You Rather Be a Pollywog?
Bonnie Worth; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-82883-6
EL: 978-0-593-12681-3

MATH AND SCIENCE



Happy Pi Day to You!
Bonnie Worth; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-525-57993-9
GLB: 978-0-593-30140-1
EL: 978-0-593-30140-1



Inside Your Outside!
Tish Rabe; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-81000-5
EL: 978-0-593-12664-6



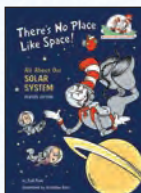
Oh, the Things You Can Do That Are Good for You!
Tish Rabe
Grade PreK-3
HC: 978-0-375-81098-5
EL: 978-0-593-12650-9



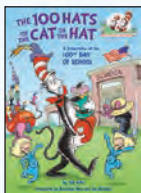
Oh, the Things They Invented!
Bonnie Worth; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-449-81497-0
GLB: 978-0-375-97170-9
EL: 978-0-593-12670-7



One Cent, Two Cents, Old Cent, New Cent
Bonnie Worth; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-375-82881-2
EL: 978-0-593-12672-1



There's No Place Like Space!
Bonnie Worth; illustrated by Aristides Ruiz
Grade PreK-3
HC: 978-0-679-89115-4
EL: 978-0-593-12644-8



The 100 Hats of Cat in the Hat
Tish Rabe; illustrated by Aristides Ruiz and Joe Mathieu
Grade PreK-3
HC: 978-0-525-57995-3
GLB: 978-0-525-57996-0
EL: 978-0-593-12675-2

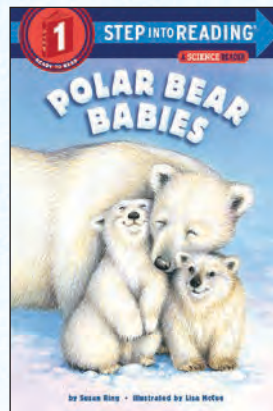
Step into Reading

They'll learn about the world as they learn to read!
For more Step into Reading titles, please visit stepintoreading.com



Garden Day!

Candice Ransom;
illustrated by Erika Meza
PB: 978-1-5247-2040-7
GLB: 978-1-5247-2041-4
EL: 978-1-5247-2042-1
Grades PreK-1



Polar Bear Babies

Susan Ring;
illustrated by Lisa McCue
PB: 978-0-399-54954-0
EL: 978-0-399-55469-8
Grades PreK-1



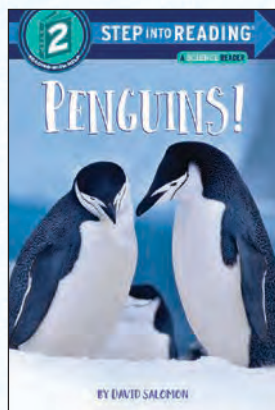
Mary Clare Likes to Share

Joy N. Hulme;
illustrated by Lizzy Rockwell
PB: 978-0-375-83421-9
Grades PreK-1



Honeybees

Emily Nye;
illustrated by Tom Leonard
PB: 978-0-307-26217-2
Grades PreK-1



Penguins!

David Salomon
PB: 978-1-5247-1560-1
GLB: 978-1-5247-1561-8
EL: 978-1-5247-1562-5
Grades PreK-1



Truth or Lie: Sharks!

Erica S. Perl; illustrated by Michael Slack
PB: 978-0-525-57879-6
GLB: 978-0-525-57880-2
EL: 978-0-525-57881-9
Grades K-3



My Journey to the Stars

Scott Kelly; illustrated by André Ceolin
PB: 978-1-5247-6380-0
GLB: 978-1-5247-6378-7
Grades K-3



The Bravest Dog Ever: The True Story of Balto

Natalie Standiford;
illustrated by Donald Cook
PB: 978-0-394-89695-3
EL: 978-0-307-97886-8
Grades K-3

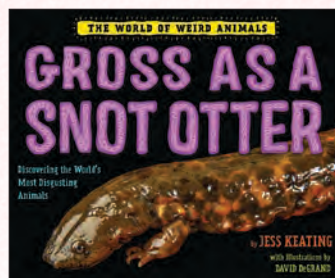


Explore the world of weird animals in Jess Keating's highly illustrated nonfiction books.



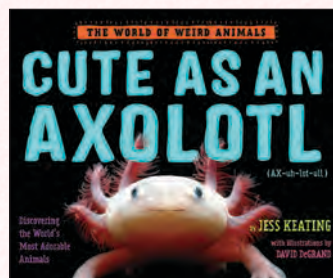
Pink Is for Blobfish

Jess Keating
 HC: 978-0-553-51227-4
 PB: 978-1-9848-9396-3
 GLB: 978-0-553-51228-1
 EL: 978-0-553-51229-8
 Grades K-3



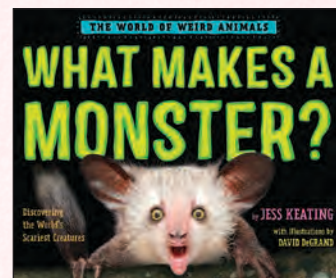
Gross as a Snot Otter

Jess Keating
 HC: 978-1-5247-6450-0
 GLB: 978-1-5247-6451-7
 EL: 978-1-5247-6452-4
 Grades K-3



Cute as an Axolotl

Jess Keating
 HC: 978-1-5247-6447-0
 GLB: 978-1-5247-6448-7
 EL: 978-1-5247-6449-4
 Grades K-3



What Makes a Monster?

Jess Keating
 HC: 978-0-553-51230-4
 EL: 978-0-553-51232-8
 Grades 1-4

Join Dr. Cosmic's class of clever monsters as they solve the greatest challenges in science in the Mad Scientist Academy series.



Mad Scientist Academy: The Space Disaster

Matthew McElligott
 HC: 978-0-553-52382-9
 PB: 978-0-553-52385-0
 GLB: 978-0-553-52383-6
 EL: 978-0-553-52384-3
 Grades K-3



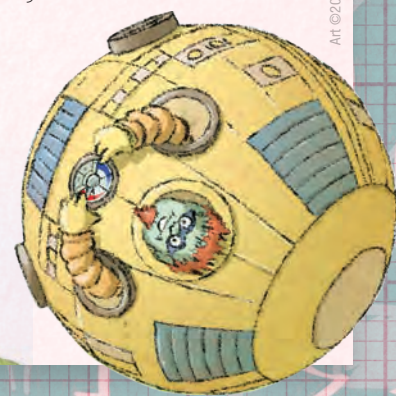
Mad Scientist Academy: The Weather Disaster

Matthew McElligott
 HC: 978-0-553-52376-8
 PB: 978-0-553-52381-2
 GLB: 978-0-553-52379-9
 EL: 978-0-553-52380-5
 Grades K-3



Mad Scientist Academy: The Dinosaur Disaster

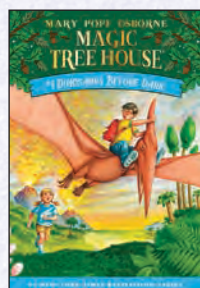
Matthew McElligott
 PB: 978-0-553-52378-2
 GLB: 978-0-553-52375-1
 EL: 978-0-553-52377-5
 Grades K-3



Chapter-Book Series

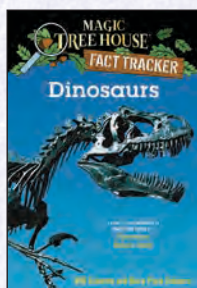
Students can't get enough of these chapter-book series that are already widely used in classrooms and include background information on science, technology, engineering, arts, and math.

For more Magic Tree House books, please visit magictreehouse.com



Dinosaurs Before Dark

Mary Pope Osborne;
illustrated by
Sal Murdocca
PB: 978-0-679-82411-4
EL: 978-0-375-89418-3
Grades 1-4



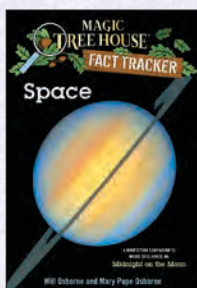
Dinosaurs

Mary Pope Osborne
and Will Osborne;
illustrated by
Sal Murdocca
PB: 978-0-375-80296-6
EL: 978-0-307-97508-9
Grades 2-5



Midnight on the Moon

Mary Pope Osborne;
illustrated by
Sal Murdocca
PB: 978-0-679-86374-8
GLB: 978-0-679-96374-5
EL: 9780375894251
Grades 1-4



Space

Mary Pope Osborne
and Will Osborne;
illustrated by
Sal Murdocca
PB: 978-0-375-81356-6
EL: 978-0-307-97518-8
Grades 1-4



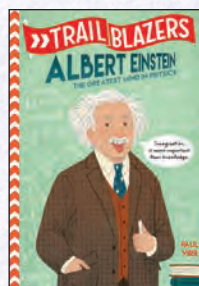
Dolphins at Daybreak

Mary Pope Osborne;
illustrated by
Sal Murdocca
PB: 978-0-679-88338-8
EL: 978-0-375-89426-8
Grades 1-4



Dolphins and Sharks

Mary Pope Osborne
and Natalie Pope Boyce;
illustrated by
Sal Murdocca
PB: 978-0-375-82377-0
EL: 978-0-307-97527-0
Grades 1-4



Trailblazers: Albert Einstein

Paul Virr
PB: 978-0-593-12440-6
GLB: 978-0-593-12441-3
EL: 978-0-593-12442-0
Grades 3-7



Trailblazers: Beyoncé

Ebony Joy Wilkins
PB: 978-0-593-12443-7
GLB: 978-0-593-12444-4
EL: 978-0-593-12445-1
Grades 3-7



Trailblazers: Jane Goodall

Anita Ganeri
PB: 978-0-593-12410-9
GLB: 978-0-593-12411-6
EL: 978-0-593-12412-3
Grades 3-7



Trailblazers: Neil Armstrong

Alex Woolf
PB: 978-0-593-12401-7
GLB: 978-0-593-12402-4
EL: 978-0-593-12403-1
Grades 3-7



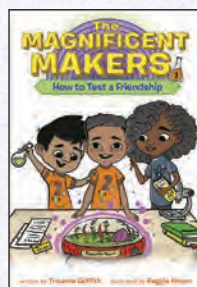
Trailblazers: Simone Biles

Sally J. Morgan
PB: 978-0-593-12452-9
GLB: 978-0-593-12453-6
EL: 978-0-593-12454-3
Grades 3-7



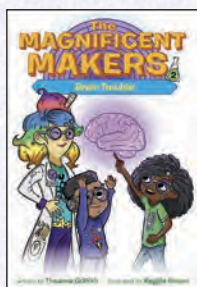
Trailblazers: Stephen Hawking

Alex Woolf
PB: 978-0-593-12449-9
GLB: 978-0-593-12450-5
EL: 978-0-593-12451-2
Grades 3-7



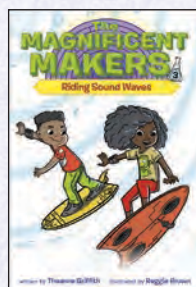
The Magnificent Makers #1: How to Test a Friendship

Theanne Griffith;
illustrated by
Reggie Brown
PB: 978-0-593-12298-3
GLB: 978-0-593-12299-0
EL: 978-0-593-12300-3
Grades 2-5



The Magnificent Makers #2: Brain Trouble

Theanne Griffith;
illustrated by
Reggie Brown
PB: 978-0-593-12301-0
GLB: 978-0-593-12302-7
EL: 978-0-593-12309-6
Grades 2-5



The Magnificent Makers #3: Riding Sound Waves

Theanne Griffith;
illustrated by
Reggie Brown
PB: 978-0-593-12310-2
GLB: 978-0-593-12311-9
EL: 978-0-593-12312-6
Grades 2-5



Narrative Literature in Science Class

Make science approachable and meaningful for all students.

Louis Sachar frames his stories around ecological disasters and interactions between humans and the environment—they are ideal for middle school earth and life science classes.



Fuzzy Mud

Louis Sachar

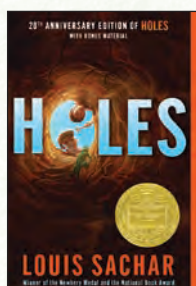
HC: 978-0-385-74378-5

PB: 978-0-385-37022-6

GLB: 978-0-375-99129-5

EL: 978-0-385-37021-9

Grade 5 & Up



Holes

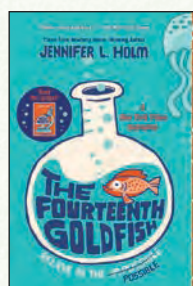
Louis Sachar

PB: 978-0-440-41480-3

EL: 978-0-307-79836-7

Grade 5 & Up

Jennifer Holm's amusing middle-grade books explore the endless possibilities of science and consider its role in answering philosophic questions.



The Fourteenth Goldfish

Jennifer L. Holm

HC: 978-0-375-87064-4

PB: 978-0-375-87114-6

EL: 978-0-307-97436-5

Grades 3–7



The Third Mushroom

Jennifer L. Holm

HC: 978-1-5247-1980-7

PB: 978-1-5247-1983-8

GLB: 978-1-5247-1981-4

EL: 978-1-5247-1983-8

Grades 3–7

Carl Hiaasen's middle-grade novels facilitate conversations about environmental impact while also encouraging discussions about bullying, peer pressure, and other middle school-appropriate social topics.



Chomp

Carl Hiaasen

HC: 978-0-375-86842-9

PB: 978-0-375-86827-6

EL: 978-0-375-89895-2

Grade 5 & Up



Flush

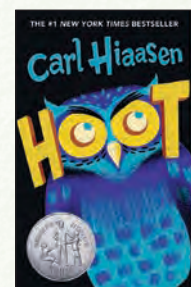
Carl Hiaasen

HC: 978-0-375-82182-0

PB: 978-0-375-84185-9

EL: 978-0-375-83752-4

Grade 5 & Up



Hoot

Carl Hiaasen

HC: 978-0-375-82181-3

PB: 978-0-440-41939-6

EL: 978-0-375-89027-7

Grade 5 & Up



Scat

Carl Hiaasen

HC: 978-0-375-83486-8

PB: 978-0-440-42104-7

EL: 978-0-375-89167-0

Grade 5 & Up



Skink—No Surrender

Carl Hiaasen

HC: 978-0-375-87051-4

PB: 978-0-307-93059-0

GLB: 978-0-375-97051-1

EL: 978-0-307-97406-8

Grade 5 & Up



Squirm

Carl Hiaasen

HC: 978-0-385-75297-8

PB: 978-0-593-17767-9

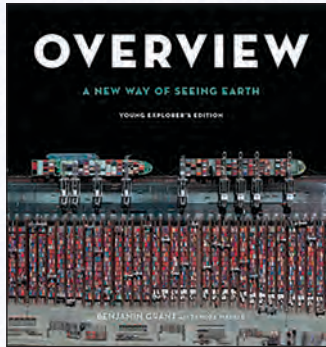
EL: 978-0-385-75299-2

Grade 5 & Up

Engaging with Environmentalism

This pairing of fiction and nonfiction texts for use in science, language arts, or social studies classrooms explores the effects humans have on their environment.

NONFICTION



Overview: Young Explorer's Edition

Benjamin Grant and Sandra Markle

HC: 978-1-9848-3202-3

CLB: 978-1-9848-3203-0

EL: 978-1-9848-3204-7

Grades 3–7

In *Overview: Young Explorer's Edition*, extraordinary aerial photographs reveal Earth's natural beauty and show the surprising, fascinating, and destructive ways humans have impacted our environment. This eye-opening visual journey will forever change the way we see our home planet.

FICTION



The Last Panther

Todd Mitchell

HC: 978-0-399-55558-9

PB: 978-0-399-55561-9

CLB: 978-0-399-55560-2

EL: 978-0-399-55559-6

Grades 3–7

Kiri loves living in the jungle. She spends her mornings working with her conservationist father and her afternoons playing with her friends in the local fishing village. She loves her real and adopted families, but when she discovers a family of panthers, she knows she's the only one who can protect them. The villagers would want to kill them for meat and trade, and her father would put the cats in a zoo. But she can't keep the secret for long, and soon she is fighting to outsmart both her adopted family of villagers and her father.

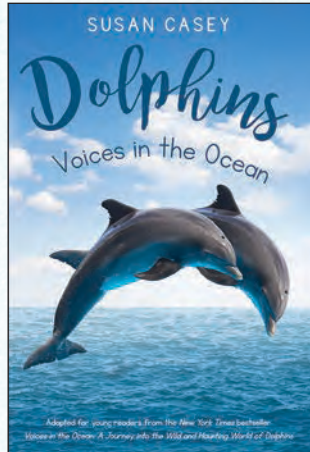
There has to be some way to save the panther, and for her dad and the villagers to understand each other. If Kiri can't figure it out, she'll lose far more than the panthers—she'll lose the only home she has ever known and the only family she has left.



Marine Life for Middle School

This pairing for science and language arts classrooms investigates marine life and human impact on oceans.

NONFICTION



Dolphins: Voices in the Ocean

Susan Casey

HC: 978-1-5247-0085-0

GLB: 978-1-5247-0086-7

EL: 978-1-5247-0087-4

Grade 5 & Up

Dolphins is a thrilling journey into the spiritual, scientific, and sometimes threatened world of dolphins. Based on Susan Casey's bestselling adult work *Voices in the Ocean: A Journey into the Wild and Haunting World of Dolphins*, this adaptation for young readers, which includes an eight-page photo insert, explores the extraordinary world of dolphins in an interesting and accessible format that engages as well as entertains.

Inspired by an encounter with a pod of spinner dolphins off the coast of Maui, author Susan Casey embarked on a two-year global adventure to study these remarkable creatures. Casey details the extraordinary connection between dolphins and humans, including shared characteristics such as capacity for emotion, playfulness, sociability, and intelligence; the sophisticated navigation ability innate in dolphins; and the dangers they face from people who aim to profit by putting them in captivity or far worse.

FICTION



Song for a Whale

Lynne Kelly

HC: 978-1-5247-7023-5

PB: 978-1-5247-7026-6

GLB: 978-1-5247-7024-2

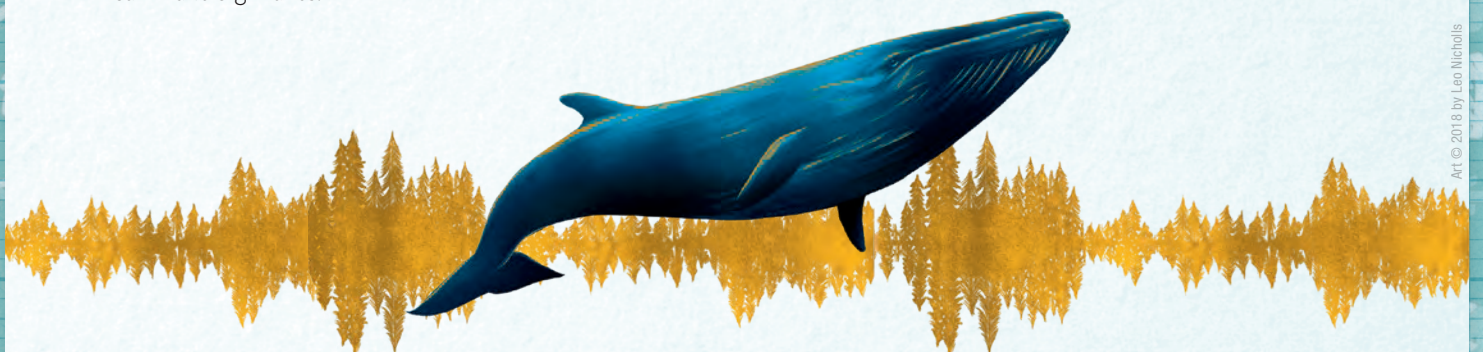
EL: 978-1-5247-7025-9

Grades 3-7

From fixing the class computer to repairing old radios, twelve-year-old Iris is a tech genius. But she's the only deaf person in her school, so people often treat her like she's not very smart. If you've ever felt like no one was listening to you, you know how hard that can be.

When she learns about Blue 55, a real whale who is unable to speak to other whales, Iris understands how he must feel. Then she has an idea: she should invent a way to "sing" to him! But Blue 55 is three thousand miles away. How will she play her song for him?

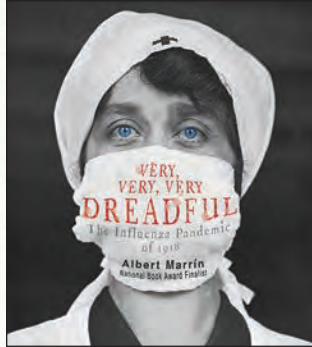
Full of heart and poignancy, this affecting story by sign language interpreter Lynne Kelly shows how a little determination can make big waves.



Science and Society

This pairing is for middle school and high school classrooms studying biology, biomedicine, or societal responses to crises.

NONFICTION



Very, Very, Very Dreadful: The Influenza Pandemic of 1918

Albert Marrin

HC: 978-1-101-93146-2

GLB: 978-1-101-93147-9

EL: 978-1-101-93148-6

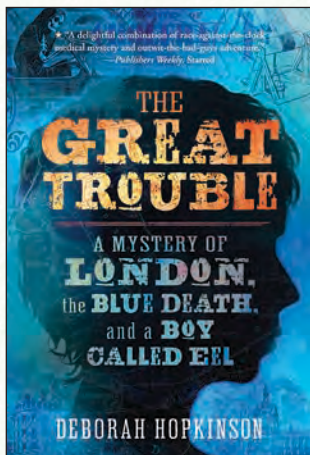
Grade 7 & Up

In this powerful book filled with black-and-white photographs, nonfiction master Albert Marrin examines the history, science, and impact of the 1918 pandemic—and the possibility for another worldwide pandemic.

In spring of 1918, World War I was raging, and troops at Fort Riley, Kansas, found themselves felled by influenza. In the summer of 1918, the second wave struck as a highly contagious and lethal epidemic that within weeks exploded into a pandemic, an illness that travels rapidly from one continent to another. It would impact the course of the war and kill many millions more soldiers than the war itself.

The 1918 flu was a globally devastating illness; not even the Black Death of the Middle Ages comes close in terms of the number of lives lost. No war, no natural disaster, no famine has claimed so many. In the space of eighteen months, about 500 million people—one-third of the global population at the time—came down with influenza. The exact total of deaths will never be known, but the best estimate is between 50 million and 100 million.

FICTION



The Great Trouble: A Mystery of London, the Blue Death, and a Boy Called Eel

Deborah Hopkinson

PB: 978-0-375-84308-2

EL: 978-0-449-81819-0

Grade 5 & Up

Eel doesn't have an easy life: As an orphan and a mud lark, he spends his days on the banks of the filthy River Thames, searching for bits of things to sell. And he's being hunted by Fisheye Bill Tyler, the nastiest man to ever walk the streets of London. Plus, he's got a secret that costs him four precious shillings a week to keep safe. But even for Eel, things aren't so bad, until one fateful August day in 1854—the day the deadly cholera (the "blue death") comes to Broad Street.

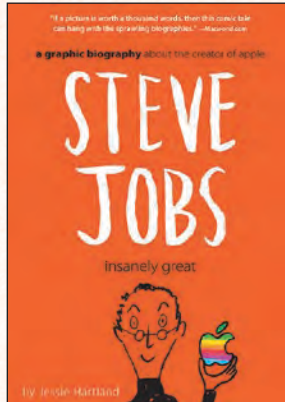
Everyone believes that cholera is spread through poisonous air. But one man, Dr. John Snow, has a different theory. As the epidemic surges, it's up to Eel and his best friend Florrie to gather evidence to prove Dr. Snow's theory—before the entire neighborhood is wiped out.



The Value of a Vision

This pair includes a graphic biography of Steve Jobs and a biography of Vincent van Gogh—nonfiction works for language arts, science, or arts classrooms looking for models of ingenuity.

NONFICTION



Insanely Great: Steve Jobs

Jessie Hartland

HC: 978-0-307-98295-7

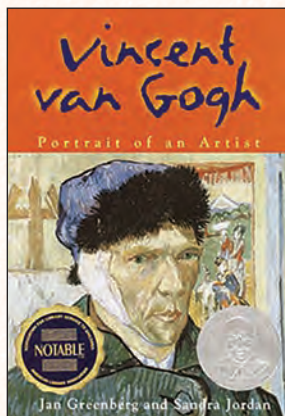
PB: 978-0-307-98298-8

EL: 978-0-307-98297-1

Grade 7 & Up

A quick yet comprehensive read, this graphic biography illuminates Steve Jobs's entrepreneurial life in both words and images—from his adoption and childhood spent tinkering to dropping out of college and traveling around India, founding Apple and inventing the iPod and other devices to transforming the music industry to cofounding Pixar Animation, and finally, his untimely death.

NONFICTION



Vincent van Gogh: Portrait of an Artist

Jan Greenberg and Sandra Jordan

PB: 978-0-440-41917-4

EL: 978-0-307-54874-0

Grade 5 & Up

Vincent van Gogh—one of the nineteenth century's most brilliant artists—will forever be remembered as the Dutchman who pioneered new techniques and styles and who, in a fit of passion, cut off his own ear.

Whether painting a portrait, landscape, or still life, Van Gogh sought to capture the vibrant spirit of his subject. Still, fame eluded him. This lack of recognition over a career spanning a mere decade (from age twenty-seven to thirty-seven) fueled his lifelong self-doubt and bitter disappointment. Today, however, Van Gogh's paintings are recognized as masterpieces, and the tormented Dutchman stands as a giant among artists.



Science



Compost Stew

Mary McKenna Siddals;
illustrated by Ashley Wolff
PB: 978-0-385-75538-2
Grades PreK–2



The Girl Who Named Pluto

Alice B. McGinty;
illustrated by Elizabeth Haidle
HC: 978-1-5247-6831-7
GLB: 978-1-5247-6832-4
EL: 978-1-5247-6833-1
Grades PreK–3



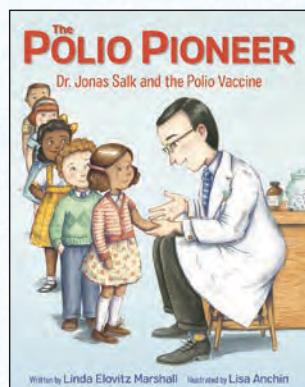
The New Ocean: The Fate of Life in a Changing Sea

Bryn Barnard
HC: 978-0-375-87049-1
GLB: 978-0-375-97049-8
EL: 978-0-307-97403-7
Grades K–3



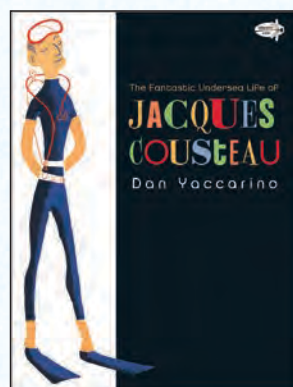
Night Walk to the Sea

Deborah Wiles;
illustrated by Daniel Miyares
HC: 978-1-5247-0147-5
GLB: 978-1-5247-0148-2
EL: 978-1-5247-0149-9
Grades PreK–3



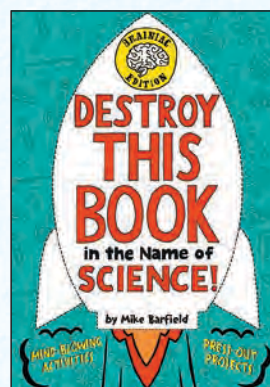
The Polio Pioneer

Linda Elovitz Marshall;
illustrated by Lisa Anchin
HC: 978-0-525-64651-8
GLB: 978-0-525-64652-5
EL: 978-0-525-64653-2
PreK–3



The Fantastic Undersea Life of Jacques Cousteau

Dan Yaccarino
PB: 978-0-375-84470-6
EL: 978-0-375-98755-7
Grades 1–4



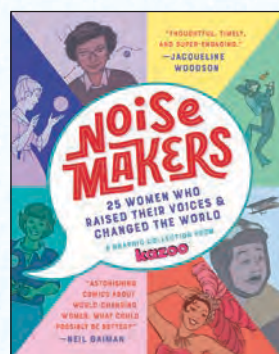
Destroy This Book in the Name of Science!

Mike Barfield
PB: 978-1-5247-7194-2
Grades 2–4



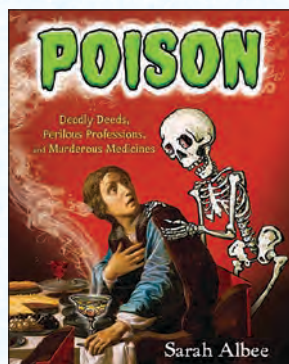
Endurance: Young Readers' Edition

Scott Kelly
HC: 978-1-5247-6424-1
PB: 978-1-5247-6427-2
GLB: 978-1-5247-6425-8
EL: 978-1-5247-6426-5
Grades 3–7



Noisemakers

Kazoo Magazine; Edited by Erin Bried
HC: 978-0-525-58017-1
PB: 978-0-525-58018-8
EL: 978-0-525-58020-1
Grades 3–7



Poison

Sarah Albee
PB: 978-1-101-93223-0
GLB: 978-1-101-93224-7
EL: 978-1-101-93225-4
Grades 3–7



Spaceman (Adapted for Young Readers)

Mike Massimino
HC: 978-0-593-12086-6
GLB: 978-0-593-12087-3
EL: 978-0-593-12088-0
Grades 4–7



Technology



Rover Throws a Party

Kristin L. Gray;
illustrated by Scott Magoon
HC: 978-0-525-64648-8
CLB: 978-0-525-64649-5
EL: 978-0-525-64650-1
Grades PreK–2



The Boy Who Invented TV

Kathleen Krull;
illustrated by Greg Couch
HC: 978-0-375-84561-1
PB: 978-0-385-75557-3
EL: 978-0-375-94561-8
Grades 1–4



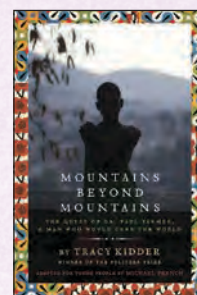
Apollo 13 (Totally True Adventures)

Kathleen Weidner Zoehfeld;
illustrated by Wesley Lowe
PB: 978-0-385-39125-2
EL: 978-0-385-39127-6
Grades 2–5



Frozen in Time

Mark Kurlansky
PB: 978-0-385-37244-2
EL: 978-0-385-37243-5
Grade 5 and Up



Mountains Beyond Mountains (Adapted for Young People)

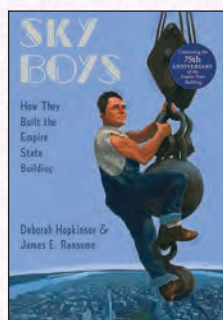
Tracy Kidder and
Michael French
PB: 978-0-385-74319-8
EL: 978-0-307-98088-5
Grade 7 and Up

Engineering



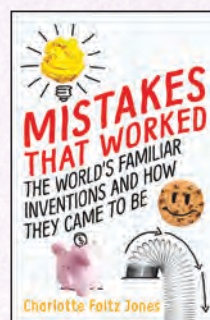
Kate, Who Tamed the Wind

Liz Garton Scanlon;
illustrated Lee White
HC: 978-1-101-93479-1
CLB: 978-1-101-93481-4
EL: 978-1-101-93480-7
Grades PreK–3



Sky Boys: How They Built the Empire State Building

Deborah Hopkinson;
illustrated by James E. Ransome
PB: 978-0-375-86541-1
EL: 978-0-307-98321-3
Grades PreK–3



Mistakes That Worked

Charlotte Foltz Jones; illustrated by
John O'Brien
HC: 978-0-399-55202-1
PB: 978-0-385-32043-6
EL: 978-0-307-55798-8
Grades 3–7



Black Gold

Albert Marrin
PB: 978-0-375-85968-7
EL: 978-0-375-89686-6
Grade 7 and Up



Arts



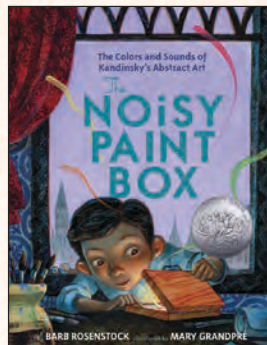
The Amazing Collection of Joey Cornell

Candace Fleming; Illustrated by Gérard Dubois

HC: 978-0-399-55238-0

GLB: 978-0-399-55239-7

EL: 978-0-399-55240-3



The Noisy Paint Box: The Colors and Sounds of Kandinsky's Abstract Art

Barb Rosenstock; illustrated by Mary Grandpré

HC: 978-0-307-97848-6

GLB: 978-0-307-97849-3

EL: 978-0-307-97850-9

Grades PreK–3



Through the Window: Views of Marc Chagall's Life and Art

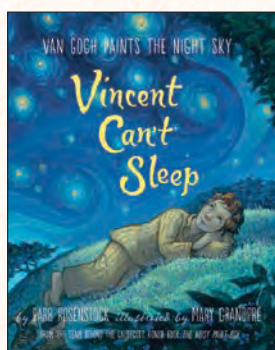
Barb Rosenstock;
illustrated by Mary Grandpré

HC: 978-1-5247-1751-3

GLB: 978-1-5247-1753-7

EL: 978-1-5247-1752-0

Grades PreK–3



Vincent Can't Sleep:

Van Gogh Paints the Night Sky

Barb Rosenstock; illustrated by Mary Grandpré

HC: 978-1-101-93710-5

GLB: 978-1-101-93711-2

EL: 978-1-101-93712-9

Grades PreK–3



Paper Son: The Inspiring Story of Tyrus Wong, Immigrant and Artist

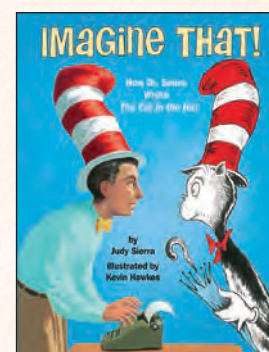
Julie Leung; illustrated by Chris Sasaki

HC: 978-1-5247-7187-4

GLB: 978-1-5247-7188-1

EL: 978-1-5247-7189-8

Grades PreK–3



Imagine That! How Dr. Seuss Wrote The Cat in the Hat

Judy Sierra;
illustrated by Kevin Hawkes

HC: 978-0-553-51097-3

GLB: 978-0-375-97429-8

EL: 978-0-553-51098-0

Grades PreK–2



Boys of Steel: The Creators of Superman

Marc Tyler Nobleman;
illustrated by Ross Macdonald

PB: 978-0-449-81063-7

EL: 978-0-449-81064-4

Grades 1–4



Doodleville

Chad Sell

HC: 978-1-9848-9470-0

PB: 978-1-9848-9471-7

GLB: 978-0-593-12682-0

EL: 978-1-9848-9472-4

Grades 3–7



The Seventh Most Important Thing

Shelley Pearsall

PB: 978-0-553-49731-1

GLB: 978-0-553-49729-8

Grade 5 & Up

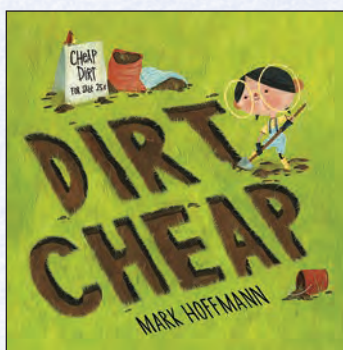


Math



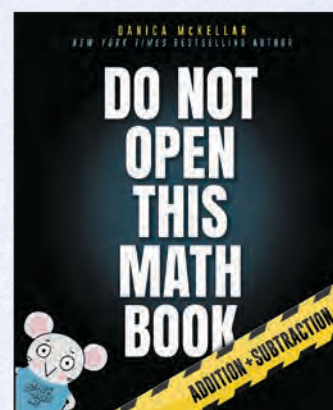
Ten Magic Butterflies

Danica McKellar
HC: 978-1-101-93382-4
GLB: 978-1-101-93383-1
EL: 978-1-101-93385-5
Grades PreK-1



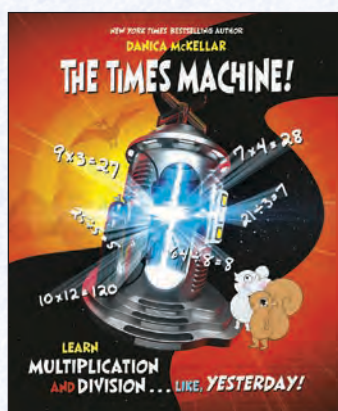
Dirt Cheap

Mark Hoffmann
HC: 978-1-5247-1994-4
GLB: 978-1-5247-1995-1
EL: 978-1-5247-1996-8
Grades PreK-2



Do Not Open This Math Book

Danica McKellar
PB: 978-1-101-93398-5
GLB: 978-1-101-93399-2
EL: 978-1-101-93400-5
Grades 1-4



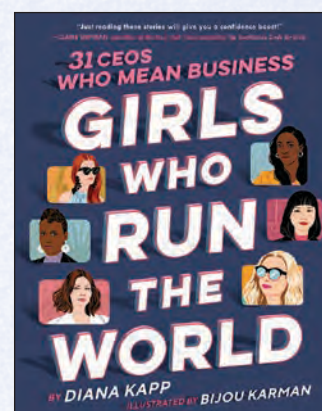
The Times Machine!

Danica McKellar
PB: 978-1-101-93402-9
GLB: 978-1-101-93403-6
EL: 978-1-101-93404-3
Grades 2-5



A Grain of Rice

Helena Clare Pittman
HC: 978-1-5247-6552-1
EL: 978-1-5247-6553-8
Grades 3-7

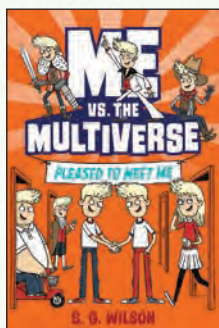


Girls Who Run the World: 31 CEOs Who Mean Business

Diana Kapp; illustrated by Bijou Karman
HC: 978-1-9848-9305-5
GLB: 978-0-593-11907-5
EL: 978-1-9848-9306-2
All Grades



Middle-Grade Sci-Fi



Me vs. the Multiverse: Pleased to Meet Me

G. O. Wilson
HC: 978-1-9848-9575-2
GLB: 978-1-9848-9576-9
EL: 978-1-9848-9577-6
Grades 3-7



Two Girls, a Clock, and a Crooked House

Michael Poore
HC: 978-0-525-64416-3
GLB: 978-0-525-64417-0
EL: 978-0-525-64418-7
Grades 3-7



The Longest Night of Charlie Noon

Christopher Edge
HC: 978-0-593-17308-4
EL: 978-0-593-17310-7
Grades 4-7



The Infinite Lives of Maisie Day

Christopher Edge
HC: 978-0-525-64640-2
EL: 978-0-525-64642-6
Grades 4-7



First Light

Rebecca Stead
PB: 978-0-440-42222-8
EL: 978-0-307-49547-1
Grades 3-7

Young Adult Sci-Fi



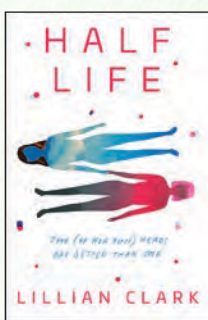
LIFE1K3

Jay Kristoff
HC: 978-1-5247-1392-8
GLB: 978-1-5247-1395-9
EL: 978-1-5247-1394-2
Grade 7 and Up



Aurora Rising

Amie Kaufman and Jay Kristoff
HC: 978-1-5247-2096-4
GLB: 978-1-5247-2097-1
EL: 978-1-5247-2098-8
Grade 7 and Up



Half Life

Lillian Clark
HC: 978-0-525-58050-8
GLB: 978-0-525-58051-5
EL: 978-0-525-58052-2
Grade 7 & Up



Hullmetal Girls

Emily Skrutskie
HC: 978-1-5247-7019-8
EL: 978-1-5247-7021-1
Grade 9 and Up



Stronger, Faster, and More Beautiful

Arwen Elys Dayton
HC: 978-0-525-58095-9
PB: 978-0-525-58098-0
EL: 978-0-525-58097-3
Grade 9 and Up

Middle-Grade Cli-Fi



Hello from Renn Lake

Michele Weber Hurwitz
HC: 978-1-9848-9632-2
GLB: 978-1-9848-9633-9
EL: 978-1-9848-9634-6
Grades 3-7



Storm Blown

Nick Courage
HC: 978-0-525-64596-2
GLB: 978-0-525-64599-3
EL: 978-0-525-64597-9
Grades 4-7



Bloom

Kenneth Oppel
HC: 978-1-5247-7300-7
GLB: 978-1-5247-7301-4
EL: 978-1-5247-7302-1
Grade 5 & Up



Bright Shining World

Josh Swiller
HC: 978-0-593-11957-0
GLB: 978-0-593-11958-7
EL: 978-0-593-11959-4
Grade 7 and Up



The Gone Away Place

Christopher Barzak
HC: 978-0-399-55609-8
GLB: 978-0-399-55610-4
EL: 978-0-399-55611-1
Grade 9 and Up



Nowhere on Earth

Nick Lake
HC: 978-1-9848-9644-5
GLB: 978-1-9848-9645-2
EL: 978-1-9848-9646-9
Grade 7 and Up

Young Adult Cli-Fi

Outstanding Science Trade Books List— National Science Teacher Association & Children's Book Council

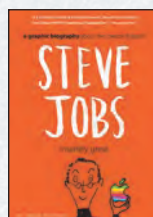
The books that appear on this list were selected as outstanding children's science trade books. They provide traditional science content, along with elements of engineering and design.



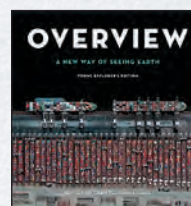
2018 Selection



2018 Selection



2018 Selection



2019 Selection

Best STEM Books List—

National Science Teacher Association & Children's Books Council

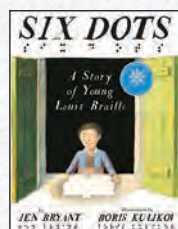
This list provides recommendations to educators, librarians, parents, and caregivers about the best trade books with STEM content. They provide traditional science content, along with elements of engineering and design.



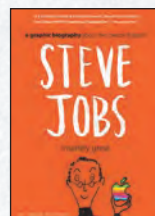
2017 Selection



2017 Selection



2017 Selection



2017 Selection



2017 Selection



2019 Selection



2019 Selection

Mathical Book Prize—Mathematical Sciences Research Institute

The Mathical Book Prize is an annual award for fiction and nonfiction books that inspire children of all ages to see math in the world around them.



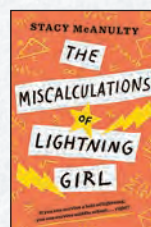
2016 Honor



2016 Honor



2018 Honor



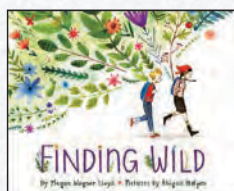
2019 Winner



2020 Winner

Green Earth Book Award—The Nature Generation

This is the nation's first environmental stewardship book award given to authors and illustrators in the categories of picture books, children's fiction, young adult fiction, children's nonfiction, and young adult nonfiction.



2017 Honor



2017 Honor



2017 Honor



2018 Honor



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