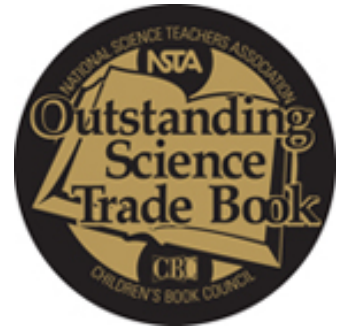




Outstanding Science Trade Books for Students K–12: 2015 (Books published in 2014)

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Science teachers and mentors continue to be challenged to meet the high expectations of the [Framework for K–12 Science Education](#) and the [Next Generation Science Standards](#) (NGSS). Indeed *The Framework* urges us to help learners “[build] progressively more sophisticated explanations of natural phenomena...” while *NGSS* provides a model for “gathering, describing, and using information about the natural and designed world(s).”

In the development of curricula that meet these challenges, literature is an essential partner. “The *NGSS* are aligned with the *CCSS* [*Common Core State Standards*] to ensure a symbiotic pace of learning in all content areas.” The International Reading Association supports our goal of increasing literacy for all learners.

We invite you to explore this year’s list of Outstanding Science Trade Books, which greatly adds to our 43-year history. In the award-winning books below, you’ll find not only traditional science content but engineering and design. We hope you’ll enjoy enhancing your spirit of inquiry as you practice science through trade books.

Winning Titles

[Abayomi, the Brazilian Puma](#). Darcy Pattison. Illustrated by Kitty Harvill. Mims House.

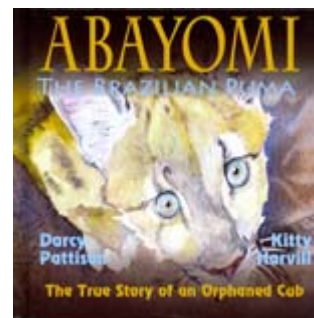
A heart-warming story of an orphaned puma cub.

[About Habitats: Forests](#). Cathryn Sill. Illustrated by John Sill. Peachtree Publishers.

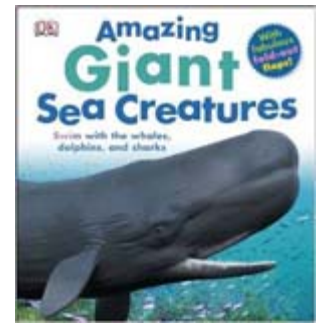
Major types of forests depicted through simple text and full-page illustrations.

[About Parrots](#). Cathryn Sill. Illustrated by John Sill. Peachtree Publishers.

Children can enjoy the beautiful, colorful illustrations while learning about these interesting birds found on five continents.



[Amazing Giant Sea Creatures](#). DK Publishing. DK Publishing.
Enjoy an ocean adventure with giant sea creatures in this engaging fold-out flaps book.



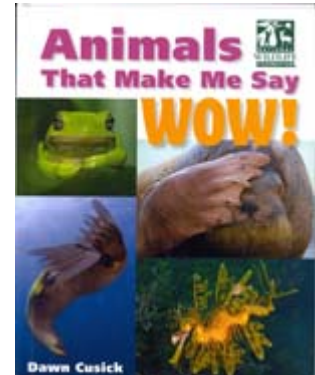
[Animalium](#). Jenny Broom. Candlewick Press/Big Picture Press.
Gallery-style illustrations of animals and habitats with descriptive supporting text.

[Animals That Make Me Say OUCH!](#) Dawn Cusick. Charlesbridge/Imagine Publishing.

A collection of animals with amazing defense adaptations that can inflict pain and even death if threatened.

[Animals That Make Me Say WOW!](#) Dawn Cusick. Charlesbridge/Imagine Publishing.

Our world is shared with animals that use amazing adaptations to help them survive with WOW skills.



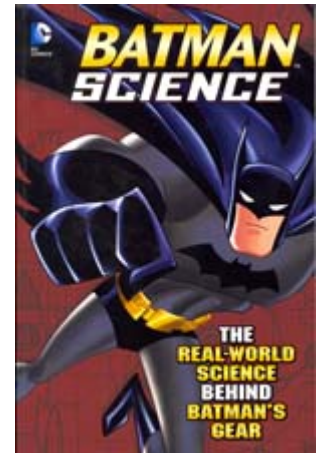
[At Home in Her Tomb](#). Christine Liu-Perkins. Illustrated by Sarah S. Brannen. Charlesbridge.

A true story of woman's body that was remarkably preserved for over 2000 years and was excavated to reveal a treasured time capsule.

[A Baby Elephant in the Wild](#). Caitlin O'Connell. Photos by Caitlin O'Connell and Timothy Rodwell. Houghton Mifflin Harcourt Books for Young Readers.
Rare photos that depict the life of a baby elephant, weaving in facts, issues of survival, and social behavior.

[Batman Science](#). Tammy Enz and Agnieszka Biskup. Capstone/Capstone Young Readers.

The Cape Crusader's as a scientist? The science behind the Dark Knight.



[Beetle Busters](#). Loree Griffin Burns. Photos by Ellen Harasimowicz. Houghton Mifflin Harcourt Books for Young Readers.
A community's quest to combat an invasive beetle species in Massachusetts.

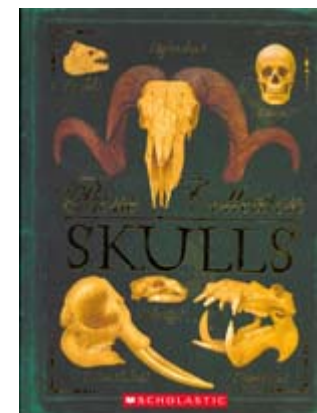
[Behold the Beautiful Dung Beetle](#). Cheryl Bardoe. Illustrated by Alan Marks. Charlesbridge.

Incredible story of the importance of the dung beetles and their role on the earth.

[Beneath the Sun](#). Melissa Stewart. Illustrated by Constance R. Bergum. Peachtree Publishers.

A wonderful look at how wild animals survive the heat in a variety of habitats.

[Bone Collection: Skulls](#). Camilla de la Bedoyere and Rob Colson. Illustrated by Sandra Doyle. Scholastic/Scholastic Paperback Nonfiction.



A fascinating collection of unique skulls featuring over 44 animals ranging from a humpback whales to human.

[Chasing Cheetahs](#). Sy Montgomery. Photos by Nic Bishop. Houghton Mifflin Harcourt Books for Young Readers.

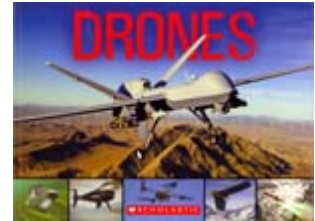
Fascinating real life rescue in Namibia, Africa that saves lives every day.

[Dinosaur!](#) DK Publishing. DK Publishing.

Always an exciting topic and this encyclopedia of dinosaurs is sure to engage students.

[Drones](#). Scholastic. Scholastic/Scholastic Paperback Nonfiction.

A multitude of facts and figures about 40 military and civilian drones.

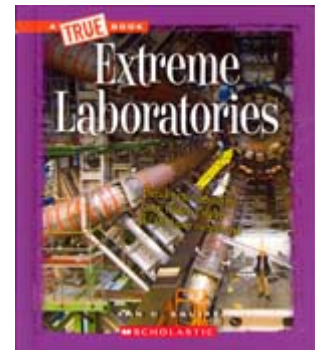


[Every Turtle Counts](#). Sara Hoagland Hunter. Illustrated by Susan Spellman. Peter E. Randall Publisher.

A heart-warming story of an autistic girl who rescues a sea turtle and opens up a part of herself in the process.

[Extreme Laboratories](#). Ann O. Squire. Scholastic Library Publishing.

Labs and scientists in weird and wonderful places.



[Eye to Eye](#). Steve Jenkins. Illustrated by Steve Jenkins. Houghton Mifflin Harcourt Books for Young Readers.

A description of how the eyes of various animals allow them to survive.

[Eyes Wide Open](#). Paul Fleischman. Candlewick Press.

An aggressive and no holds bar book on the politics and science of climate change.

[Feathers: Not Just for Flying](#). Melissa Stewart. Illustrated by Sarah S. Brannen. Charlesbridge Publishing.

Feathers functioning as a forklift? Yes, and much more!

[Full Speed Ahead!](#) Cruschiform. Abrams/Abrams Books for Young Readers.

Art and science meet in this beautiful book on the speeds of things.

[Get the Scoop on Animal Puke](#). Dawn Cusick. Charlesbridge/Imagine Publishing.

A great way to learn about animal anatomy through the study of regurgitation.

[Handle with Care](#). Loree Griffin Burns. Photos by Ellen Harasimowicz. Lerner Publishing Group/Millbrook Press.

Story of Costa Rican workers who care for the blue morpho butterfly.



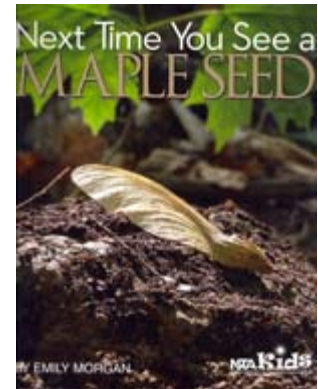
[Ivan](#). Katherine Applegate. Illustrated by G. Brian Karas. Houghton Mifflin Harcourt Books for Young Readers.

A heart-wrenching story about a gorilla who has a very happy ending.

[Neighborhood Sharks](#). Katherine Roy. David Macaulay Studio/Roaring Brook Press.
Great whites come to the Farallon Islands.

[Next Time You See a Maple Seed](#). Emily Morgan. Illustrated by Steven David Johnson, Tom Uhlman, and Todd Amacker. NSTA Kids/an imprint of NSTA Press.

Beautiful close-up photography of the life cycle of the maple seed or samara.

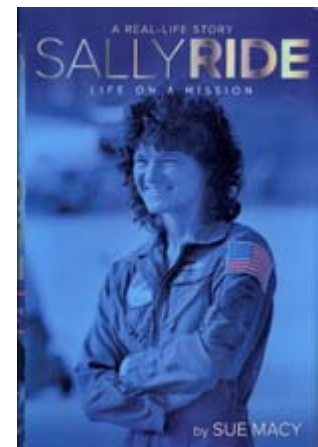


[Ocean](#). DK Publishing. DK Publishing.
A breathtaking book about every aspect of the ocean.

[Park Scientists](#). Mary Kay Carson. Photos by Tom Uhlman. Houghton Mifflin Harcourt Books for Young Readers.
Explore our National Parks, America's natural laboratories and living museums, through the eyes of a field scientist.

[Polar Bears and Penguins](#). Katharine Hall. Arbordale Publishing.
Beautiful photographs of Polar Bears and Penguins and how they are similar and different.

[Sally Ride](#). Sue Macy. Simon & Schuster/Aladdin.
Inspiring Biography of this brave, dedicated astronaut.



[Secrets of the Sky Caves](#). Sandra K. Athans. Lerner Publishing Group/Millbrook Press.
Follow a mountaineer on this incredible journey discovering caves built into high steep cliffs filled with mummies and other artifacts.

[Sniffer Dogs](#). Nancy F. Castaldo. Houghton Mifflin Harcourt Books for Young Readers.
A description of how dogs (many of which have come from shelters) are being trained to help their human companions in searches, scientific research by tracking animals, and alerting for serious medical conditions.

[Star Stuff](#). Stephanie Roth Sisson. Macmillan Children's Publishing Group/Roaring Brook Press.
A beautifully written and illustrated picture book introduces to a young Carl Sagan and his journey into the sciences.



[Super Human Encyclopedia](#). DK Publishing. DK Publishing.
Reference book that includes photos, diagrams, and graphs on the human body.

[Super Sniffers](#). Dorothy Hinshaw Patent. Bloomsbury/Walker Children's Books.
Exciting jobs that dogs have to help people keep the world safe.



[The Griffin and the Dinosaur](#). Marc Aronson and Adrienne Mayor. Illustrated by Chris Muller. National Geographic Society.

The journey of Adrienne Mayor in explaining what mythological creatures may have actually been by researching, observing, and inferencing.

[The Next Wave](#). Elizabeth Rusch. Houghton Mifflin Harcourt Books for Young Readers.

An examination of the various ways scientists are attempting to convert ocean wave energy into a renewable energy source.

[The Planets](#). DK Publishing. DK Publishing.

Take a tour of the planets in this beautiful photographed and illustrated guide to our solar system.

[Tiny Creatures](#). Nicola Davies. Illustrated by Emily Sutton. Candlewick Press.

Great elementary view into the world of microbes.

[Tooling Around](#). Ellen Jackson. Illustrated by Renné Benoit. Charlesbridge.

Animal Engineers are described by mixing poetry with explanations.

[Ultimate Bodypedia](#). Patricia Daniels, Christina Wilsdon, and Jen Agresta.

National Geographic Society.

An amazing tour of the many complexities of the human body, inside and out!

[Wild About Bears](#). Jeannie Brett. Illustrated by Jeannie Brett. Charlesbridge.

Informative and beautifully illustrated, this book compares the eight species of bears found around the world.

