

Kindergarten

[FUR, FEATHER, FIN: ALL OF US ARE KIN.](#) 2018. Diane Lang. Illus. Stephanie Laberis. Simon & Schuster, Beach Lane Books. 48pp. ISBN-13: 9781481447096. Colorful illustrations accompany rhyming poems to explain how animals are classified. End matter provides additional facts and suggested activities. STANDARD 3: LIFE SCIENCE.

[LOVELY BEASTS: THE SURPRISING TRUTH.](#) 2018. Kate Gardner. Illus. Heidi Smith. 48pp. ISBN-13: 9780062741615. Balzer + Bray/Harper Collins. Readers explore the characteristics for animals using a single word format. Supportive text of the single-word descriptor offers an ideal format for a read aloud. 3: LIFE SCIENCE

First Grade

[THE BRILLIANT DEEP REBUILDING THE WORLD'S CORAL REEFS: THE STORY OF KEN NEDIMYER AND THE CORAL REEF FOUNDATION.](#) 2018. Kate Messner Illus. Matthew Forsythe Chronicle Books. 48pp. ISBN-13: 9781452133508 Appropriate for many grade levels, this book introduces readers to the efforts of conservationist Ken Nedimyer in restoring and preserving the world's coral reefs. Eye-catching illustrations and riveting text will inspire readers to action. STANDARD 3: LIFE SCIENCE.

[MAMA DUG A LITTLE DEN.](#) 2018. Jennifer Ward. Illus. Steve Jenkins. Simon & Schuster, Beach Lane Books. 32pp. ISBN-13: 9781481480376. Rhyming text introduces young readers to the different types of homes mother animals create for their young to provide shelter and protect them from harm. Sidebars and backmatter give additional facts about the animals and their habitats. STANDARD 3: LIFE SCIENCE.

Second Grade

[THE BEE BOOK](#). 2018. Charlotte Milner. DK Children. 48pp. ISBN-13: 9781465535.

Detailed photographs and diagrams explain many facets of the honeybee's life, from their anatomy, to their lifecycle, to the structures and activities within a hive. An online teacher's guide provides extension projects. STANDARD 3: LIFE SCIENCE.

[PERFECTLY PECULIAR PLANTS](#). 2018. Chris Thorogood. Illus. Catell Ronca. The Quarto

Group/ Words & pictures. 64p. ISBN-13: 9781786032850. Often overlooked in elementary classrooms, plants are important organisms in the world. Readers will explore how humans use plants, how they live in symbiotic relationships with other plants and animals, and that some plants are carnivorous. STANDARD 3: LIFE SCIENCE.

Third Grade

[THE BOO-BOOS THAT CHANGED THE WORLD: A TRUE STORY ABOUT AN ACCIDENTAL](#)

[INVENTION \(REALLY!\)](#). 2018. Barry Wittenstein. Illus. Chris Hsu. Charlesbridge. 32 pp.

ISBN-13: 978-1580897457. Earle Dickson's wife was prone to minor injuries, and he was the son of a doctor and worked at Johnson & Johnson. This chance combination, along with Earle's perseverance, led to the invention of the famous Band-Aid. Told with humor and supported by cartoon-style drawings, this story of the now-famous invention is perfect for reading aloud. STANDARD 4: ENGINEERING.

[NOTHING STOPPED SOPHIE: THE STORY OF THE UNSHAKABLE MATHEMATICIAN](#)

[SOPHIE GERMAIN](#). Cheryl Bardoe. Illus. Barbara McClintock. Little, Brown Books for

Readers. 40 pp. ISBN-13: 978-0316278201. With a brilliant mind and sheer determination, French mathematician Sophie Germain worked tirelessly to solve a problem about sound vibration patterns for years before finally achieving success.

Whimsical illustrations and inspiring biographical text will engage and inspire readers.

STANDARD 1: PHYSICAL SCIENCE.

Fourth Grade

[THE WRIGHT BROTHERS; NOSE-DIVING INTO HISTORY \(EPIC FAILS #1\)](#). 2018. Ben Thompson and Erik Slader. Illus. Tim Foley. Roaring Brook Press. 128 pp. ISBN-13: 978-1250150561. Cartoon-style pen and ink drawings support the text of this chapter book that chronicles the history of flight innovations, with a focus on the lives of Orville and Wilbur Wright. Highlights of unexpected failures over time serve as a reminder of the magnitude of the logistical challenges to achieve flight. A timeline summarizes attempts and successes throughout history. STANDARD 4: ENGINEERING.

[NATIONAL PARKS OF THE U.S.A.](#) 2018. Kate Siber. Illus. Chris Turnham. Wide Eyed Editions. 112 pp. ISBN-13: 978-1847809766. Twenty-one national parks are depicted through captivating text that makes readers feel as if they are on a cross-country exploration of these treasured lands. A must-have for all fourth graders as they can get a pass for [free access](#) to national parks for the year. STANDARD 2: EARTH AND SPACE SCIENCE.

Fifth Grade

[ASTRONAUT, AQUANAUT: HOW SPACE SCIENCE AND SEA SCIENCE INTERACT](#). 2018. Jennifer Swanson. National Geographic Children's Books. 96 pp. ISBN-13: 978-1426328671. This informational text compares and contrasts the exploration of space and the Earth's oceans. Timelines, captioned pictures, a glossary, and index add to the

ease of using this book as a go-to resource about exploration of the unknown.

STANDARD 2: EARTH AND SPACE SCIENCE.

[HOW WE GOT TO NOW: SIX INNOVATIONS THAT MADE THE MODERN WORLD](#). 2018.

Stephen Johnson. Viking Books for Young Readers. 160 pp. ISBN-13: 978-0425287781.

This non-narrative informational text focuses on six innovations: glass, cold, sound, clean, time, and light. The history and nature of science is presented in a seamless manner and the innovations we take for granted today are chronicled throughout history. Captioned photos, a bibliography, additional resources, and an index make this a comprehensive text about innovations. STANDARD 1: PHYSICAL SCIENCE AND

STANDARD 4: ENGINEERING.

Primary Honorable Mention

[COUNTING ON KATHERINE HOW KATHERINE JOHNSON SAVED APOLLO 13](#). 2018.

Helaine Becker Illus. Dow Phumiruk. 40pp. ISBN-13: 9781250137524. Macmillan

Children's Publishing Group/ Henry Holt and Co. (BYR). This remarkable story describes the obstacles and challenges one woman overcame to help Apollo 13 successfully navigate to the moon and back. Experiences from her childhood help young readers connect to Katherine. STANDARD 2: EARTH AND SPACE SCIENCE AND STANDARD 4:

ENGINEERING.

[FLOW, SPIN, GROW LOOKING FOR PATTERNS IN NATURE](#). 2018. Patchen Barss. Illus.

Todd Stewart. 32pp. ISBN-13: 978-1771472876. Owlkids Books. Using colorful drawings, readers explore the many ways in which they can observe patterns in nature.

Descriptions for the major types of patterns support the illustrations. STANDARD 2: EARTH AND SPACE SCIENCE.

[MAE AMONG THE STARS](#). 2018. Roda Ahmed. Illus. Stasia Burrington. HarperCollins. 40pp. ISBN-13: 9780062651730. This picture book biography will inspire readers to follow their dreams and reach for the star, even when the odds of achieving their goals seems impossible. STANDARD 2: EARTH AND SPACE SCIENCE.

Intermediate Honorable Mention

[WHEN SPARKS FLY: THE TRUE STORY OF ROBERT GODDARD, THE FATHER OF US ROCKETRY](#). 2018. Kristen Fulton. Illus. Diego Funck. Margaret K. McElderry Books. 40 pp. ISBN-13: 978-1481460989. Through tinkering, experimenting, and problem-solving, Robert Goddard eventually turned his boyhood dream of making things fly into the reality of supporting rocket design for the US space program. Cartoon-style drawings and concise text make this a perfect read-aloud for the generation that may go to Mars! STANDARD 4: ENGINEERING.

[ANIMAL DISCOVERIES](#). 2018. Tamra B. Orr. 32p. Capstone Press. 32 pp. ISBN-13: 978-1543526196. High-quality pictures and informative text introduce readers to some of the most recently discovered – and unusual! – species on the planet, such as the hog-nosed rat and the ghost ant. Realizing that there are still so many species to discover will broaden readers’ perspectives about the diversity of life. STANDARD 3: LIFE SCIENCE.

[CHAMPION: THE COMEBACK TAKE OF THE AMERICAN CHESTNUT TREE](#). 2018. Sally Walker. Henry Holt and Co. 144 pp. ISBN-13: 978-1250125231. Blending history and science, this book chronicles the impact of an invasive species that has devastated the

American chestnut tree population. Even today, scientists are attempting to find ways to restore this iconic symbol of the forest. Suitable for 5th grade and up. STANDARD 3: LIFE SCIENCE.