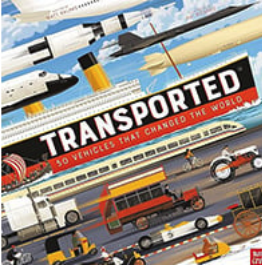
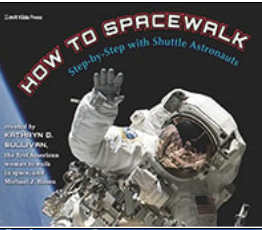
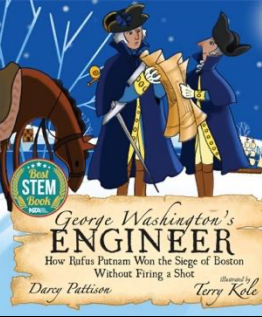
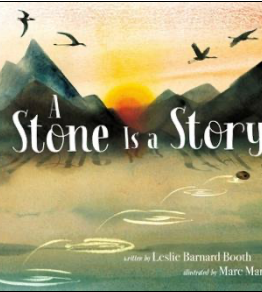
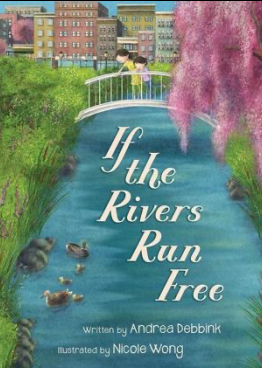
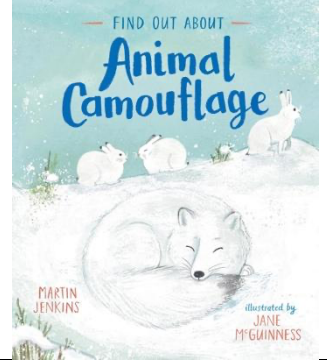

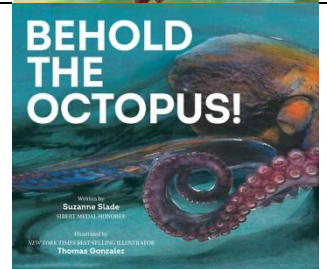


The 2024 Indiana Science Trade Book Annual Reading List (IN-STAR)

Kindergarten	
	<p>HOW BIRDS SLEEP. 2023. David Obuchowski. Illus. Sarah Pedry. Miniedition. 40 pp. ISBN-13: 978-1662650970. David Obuchowski's "How Birds Sleep" shares the way different birds catch their Zzzs. From parrots tucked in trees to ostriches napping on the ground, the book reveals birds sleep in all sorts of surprising places. This beautifully illustrated book is a great resource to spark curiosity about the hidden world of bird sleep. STANDARD: LIFE SCIENCE</p>
	<p>THE TREE AND THE RIVER. 2023. Aaron Becker. Candlewick. 32pp. ISBN-13: 978-1536223293. Told from the point of a tree and river, this wordless story shows humans impact on the ecosystem from homes to eventual cities. Despite the changes, the tree and the river endure, offering a message of nature's resilience. STANDARD: EARTH AND SPACE SCIENCE and LIFE SCIENCE</p>
First Grade	
	<p>WE ARE BRANCHES. 2023. Joyce Sidman. Illus. Beth Krommes. Clarion Books. 40. ISBN-13: 978-0358538189. The book's beautiful illustrations and poetry engage young readers to show how the branching shape is everywhere in nature, not just on trees. From the veins in our bodies to the way lightning streaks across the sky, branches help things grow, spread out, and connect. STANDARD: EARTH AND SPACE SCIENCE and LIFE SCIENCE.</p>
	<p>CREEP LEAP CRUNCH. 2023. Jody Jensen Shaffer. Illus. Knopf Books for Young Readers. 48pp. ISBN-13: 978-0593565537. "Creep, Leap, Crunch!" is a vibrantly illustrated story that introduces young children to the concept of a food chain. It follows the journey of a tiny worm through the forest, who becomes food for a hungry cricket, then a darting mouse, and so on. Rhyming text and playful sounds ("creep," "leap," "crunch") keep students engaged. STANDARD: LIFE SCIENCE</p>

Second Grade	
	<p>ROOTING FOR PLANTS. 2023. Janice Harrington. Illus. Theodore Taylor III. Calkins Creek. 48pp. ISBN-13: 978-1662680199. A fascinating retell of Charles S. Parker, a Black scientist who loved exploring nature and learning about plants. Despite facing challenges, Charles became a botanist and collector, traveling the United States to discover new plant and fungi species. STANDARD: LIFE SCIENCE</p>
	<p>WHY DO ELEPHANTS HAVE BIG EARS? 2023. Steve Jenkins and Robin Page. Little, Brown Books for Young Readers. 40pp. ISBN-13: 978-0316456791. Elephants' giant ears aren't just for hearing! Young readers will enjoy another the collaged-based narrative to the form and function of how these big ears help them stay cool in hot environments. STANDARD: LIFE SCIENCE</p>
Third Grade	
	<p>WE ARE STARLINGS: INSIDE THE MESMERIZING MAGIC OF A MURMURATION. 2023. Robert Furrow and Donna Jo Napoli. Illus. Marc Martin. Random House Studio. 40 pp. ISBN-13: 978-0593381632. This beautifully illustrated book succinctly presents how starlings benefit from being part of a group, such as protection from predators. Fold-out pages add to the reading engagement. STANDARD: LIFE SCIENCE</p>
	<p>AT HOME WITH THE PRAIRIE DOG: THE STORY OF A KEYSTONE SPECIES. 2023. Dorothy Hinshaw Patent. Illus. William Munoz. Web of Life Children's Books. 34 pp. ISBN-13: 978-1970039061. The interactions of prairie dogs with other species and their habitat convey the interdependence of organisms and the importance of keystone species. Captioned up-close photos support the text and introduce readers to the variety of grassland species. STANDARD: LIFE SCIENCE</p>
Fourth Grade	
	<p>SEW SISTER: THE UNTOLD STORY OF JEAN WRIGHT AND NASA'S SEAMSTRESSES. 2023. Elise Matich. Tilbury House Publishers. 36 pp. ISBN-13: 978-0884489825. This biography of “Sew Sister” Jean Wright conveys the contributions she and other seamstresses made to the NASA space shuttle program. The text is presented in prose and supported by realistic painted illustrations and pops of stitch patterns. STANDARD: ENGINEERING, TECHNOLOGY, AND APPLICATIONS OF SCIENCE</p>

	<p>TRANSPORTED: 50 VEHICLES THAT CHANGED THE WORLD. 2023. Matt Ralphs. Illus. Rui Ricardo. Nosy Crow. 112 pp. ISBN-13: 979-8887770208. Presented in chronological fashion, each page spread of this oversized non-narrative informational book focuses on one type of vehicle, including a text box of facts and figures as well as a summary of what make the vehicle important. The variety of vehicles demonstrates the many ways that energy can be converted.</p> <p>STANDARD: PHYSICAL SCIENCE</p>
Fifth Grade	
	<p>HOW TO SPACEWALK: STEP-BY-STEP WITH SHUTTLE ASTRONAUTS. 2023. Kathryn D. Sullivan and Michael J. Rosen. Illus. Michael J. Rosen. MIT Kids Press. 48 pp. ISBN-13: 978-1536226218. Former shuttle astronaut Kathryn D. Sullivan shares her career pathway and compares experiences in Earth's gravity with the weightlessness of space. Photos, cartoon-style illustrations, and labeled drawings support the text. STANDARD: PHYSICAL SCIENCE</p>
	<p>GEORGE WASHINGTON'S ENGINEER: HOW RUFUS PUTNAM WON THE SIEGE OF BOSTON WITHOUT FIRING A SHOT. 2023. Darcy Pattison. Illus. Terry Kole. Mims House. 33 pp. ISBN-13: 978-1629442211. This narrative of the how the British occupation of Boston ended blends engineering and history seamlessly, making this book ideal for supporting not only science standards but also history-based social studies standards. Maps and parchment-looking text boxes add to the visual features. STANDARD: ENGINEERING, TECHNOLOGY, AND APPLICATIONS OF SCIENCE</p>
Primary Honorable Mention	
	<p>A STONE IS A STORY. 2023. Leslie Booth. Illus. Marc Martin. Margaret K. McElderry Books. 40pp. ISBN-13: 978-153449694. The book describes the remarkable journey of a "simple" stone on a grand adventure through time. During the journey which starts as hot, molten rock deep underground, the stone is shaped by glaciers, rivers, and travels through mountains and oceans. STANDARD: EARTH AND SPACE SCIENCE</p>
	<p>IF THE RIVERS RUN FREE. 2023. Andrea Debbink. Illus. Nicole Wong. Sleeping Bear Press. 40pp. ISBN-13: 978-1534112780. "If the Rivers Run Free" tells the story of how cities grew up alongside helpful rivers, providing water, transportation, and even power. But as cities got bigger, they sometimes hid the rivers underground, causing problems like pollution and flooding. Thankfully, clever people realized they could uncover these "buried rivers" and bring them back to life, making cities healthier and more beautiful places. STANDARD: EARTH AND SPACE SCIENCE</p>

	<p>FIND ABOUT ANIMAL CAMOUFLAGE. 2023. Martin Jenkins. Illus. Jane McGuinness. Candlewick. 32pp. ISBN-13: 978-1536228366. This vibrant picture book takes young explorers on an adventure to read about how animals use incredible disguises to outsmart predators or sneak up on prey. From desert lizards turning into living pebbles to butterflies that look just like leaves, the book bursts with amazing examples of how camouflage helps animals thrive and hide in plain sight. STANDARD: LIFE SCIENCE</p>
<p>Intermediate Honorable Mention</p>	
	<p>Josephine and Her Dishwashing Machine: Josephine Cochrane's Bright Invention Makes a Splash. 2023. Kate Hannigan. Illus. Sarah Green. Calkins Creek. 40 pp. ISBN-13: 978-1635926217. Any student who has the house chore of loading or unloading the dishwasher will appreciate this lively biography of inventor Josephine Cochrane. Pastel-hued illustrations and brief overviews of other inventions developed in the late 1800s augment the story. STANDARD: ENGINEERING, TECHNOLOGY, AND APPLICATIONS OF SCIENCE</p>
	<p>FUNGI GROW. 2023. Maria Gianferrari. Ilus. Diana Sudyka. Beach Lane Books. 48 pp. ISBN-13: 978-1665903653. Fungi structures and functions are described through the running text and additional layered text, both of which are supported through informative visual features. End pages include a glossary, fun facts, and an illustrated depiction of the mushroom's life cycle. STANDARD: LIFE SCIENCE</p>
	<p>BEHOLD THE OCTOPUS. 2023. Suzanne Slade. Illus. Thomas Gonzalez. Characteristics of octopuses and interactions with their environment are presented through limited text, additional sidebars, and end pages. Full-page realistic illustrations of a variety of octopus species enrich the science content. STANDARD: LIFE SCIENCE.</p>