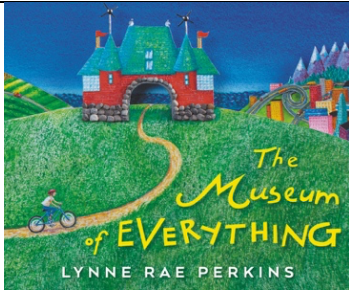
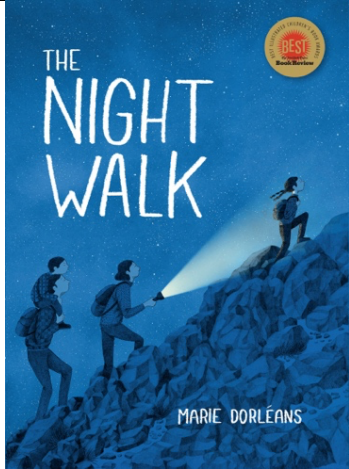

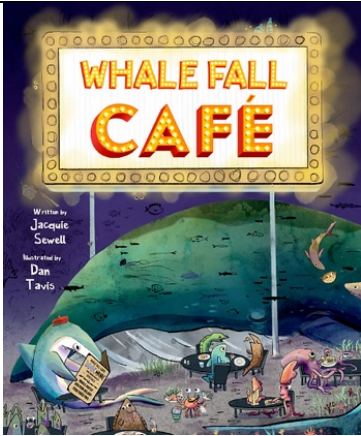


The 2022 Indiana Science Trade Book Annual Reading List (IN-STAR)

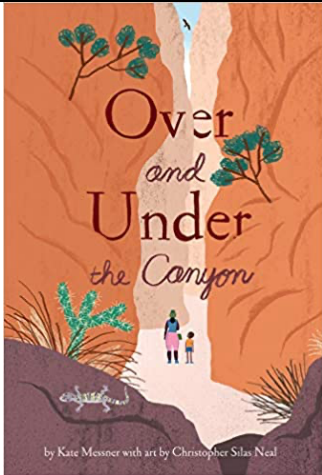
	Kindergarten
	<p>THE MUSEUM OF EVERYTHING. 2021. Lynne Rae Perkins. Greenwillow Books. 40 pp. ISBN-13: 978-0062986306. A wonderful read aloud to focus students' minds on making observations in their world and during science lessons. By noticing the details in the small things, students can begin asking their own questions and discover patterns around them. STANDARD: EARTH AND SPACE SCIENCE AND ENGINEERING DESIGN</p>
	<p>THE NIGHT WALK. 2021. Marie Dorleans. Florish Books. 32 pp. ISBN-13: 978-1782506393. Wake up students' learning with this book! It can be used to share the liveliness of nighttime when teaching the day versus night cycle. Drawings and digital illustrations set an adventurous tone for a family's nighttime jaunt through their environment. STANDARD: EARTH AND SPACE SCIENCE.</p>
	First Grade
	<p>THE BEAK BOOK. 2021. Robin Page. Beach Lane Books. 40 pp. ISBN-13: 978-1534460416. Robin Page's illustrations once again inspire close inspection of nature's details. Large, colorful illustrations help teachers and students explore the</p>

important form and function concept in life science. Happy pecking! STANDARD: LIFE SCIENCE.



WHALE FALL CAFÉ. Jacquie Sewell. Illus. Dan Tavis. Tilbury House Publishers. 40 pp. ISBN-13: 978-0884488484. What a fascinating look at an aquatic food chain! This book follows a whale corpse as it descends from the surface to its final resting place at the bottom of the sea. A wonderful companion to teach about unique food chains. STANDARD. LIFE SCIENCE AND EARTH AND SPACE SCIENCE.

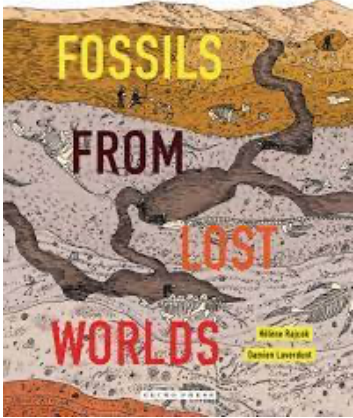

Second Grade

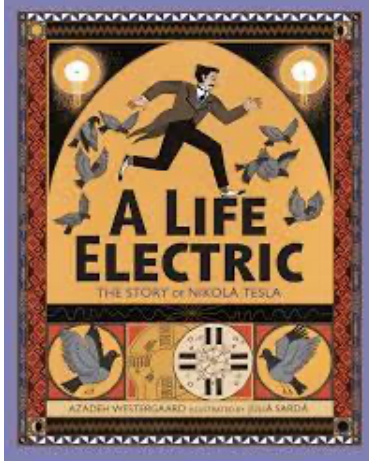


OVER AND UNDER THE CANYON. Kate Messner. Illus. Christopher Silas Neal. Chronical Books. 56 pp. ISBN-13: 978-1452169392. Another in the impressive Over and Under series that can help students learn about unique ecosystems and how the earth can change in slow ways. Primary teachers will appreciate incorporation of microhabitats for the canyon’s smallest creatures. STANDARD: EARTH AND SPACE SCIENCE.

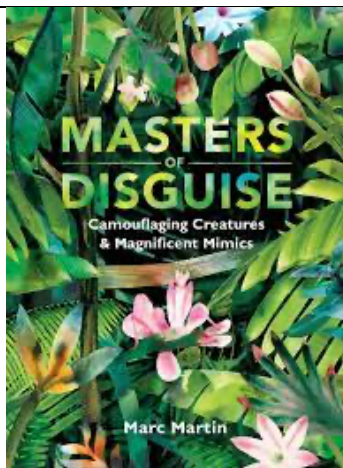


SUMMERTIME SLEEPERS: ANIMALS THAT ESTIVATE. Melissa Stewart. Illus. Sarah Brannen. Charlesbridge. 40 pp. ISBN-13: 978-1580897167. We often teach about winter hibernation, but this title shares how animals also use summer “hibernation” (estivation) during the hottest days of the year.

	<p>The stories and images will capture students’ attention and they won’t be sleeping through this interesting read. STANDARD: LIFE SCIENCE</p>
	<p>Third Grade</p>
	<p>FOSSILS FROM LOST WORLDS. Damien Laverdunt. Illus. Hélène Rajcak. Gecko Press. 72 pp. ISBN-13: 978-1776573158.</p> <p>The discovery and features of various prehistoric creatures are presented in this exploration of the fossil record. Rich visual supports include labeled technical drawings, full-page illustrations, and graphic novel formats for detailing discoveries. STANDARD: LIFE SCIENCE.</p>
	<p>FLIP! HOW THE FRISBEE TOOK FLIGHT. Margaret Muirhead. Illus. Adam Gustavson. Charlesbridge. 32 pp. ISBN-13: 978-1580898805. Although Fred Morrison was not the first person to imagine a flying disc toy, he sought to create an optimum design and ultimately created the ubiquitous Frisbee.</p> <p>This text demonstrates how continual improvement of prototypes leads to great results. STANDARD: ENGINEERING DESIGN.</p>
	<p>Fourth Grade</p>



A LIFE ELECTRIC: THE STORY OF NIKOLA TESLA.
Azadeh Westergaard. Illus. Júlia Sarda. Viking Books for Young Readers. 40 pp. ISBN-13: 978-0593114605. Students may only be familiar with the name “Tesla” as a car brand; this book will enlighten them about Nikola Tesla’s discovery of alternating current and his impact on our electrical system. Crisp illustrations support the text. **STANDARD: PHYSICAL SCIENCE**

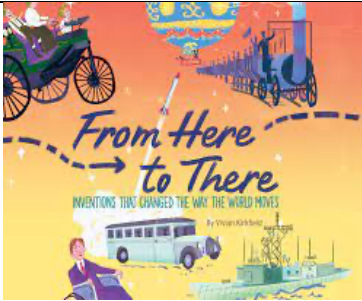
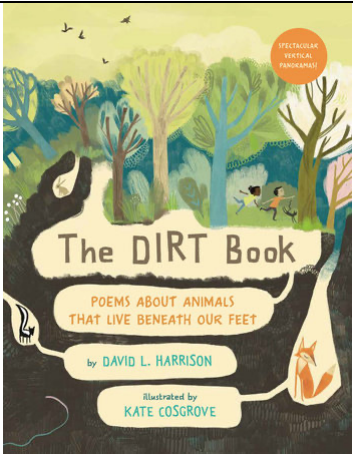




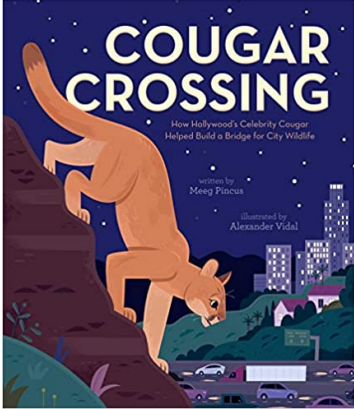
MASTERS OF DISGUISE: CAMOUFLAGING CREATURES AND MAGNIFICENT MIMICS. Marc Martin. Candlewick Studio. 56 pp. ISBN-13: 978-1536214055. Twelve animals from around the globe are featured for their unique abilities to blend in with their background or disguise their identity. The hide-and-seek feature is sure to engage students. **STANDARD: LIFE SCIENCE.**

Fifth Grade



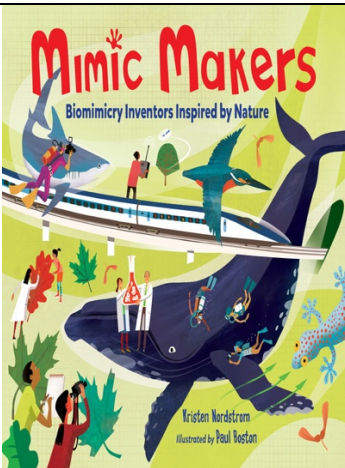
THE LEAF DETECTIVE: HOW MARGARET LOWMAN UNCOVERED SECRETS IN THE RAINFOREST. Heather Lang. Illus. Jana Christy. Calkins Creek. 48 pp. ISBN-13: 978-1684371778. This book is sure to pique students’ interest in the role of plants in the ecosystem. Meg Lowman’s quest to study the rainforest canopy is beautifully captured in both the

	<p>narrative and informative end pages. STANDARD: LIFE SCIENCE.</p>
	<p>FROM HERE TO THERE: INVENTIONS THAT CHANGED THE WAY THE WORLD MOVES. Vivian Kirkfield. Illus. Gilbert Ford. Clarion Books. 96 pp. ISBN-13: 978-1328560919. Each chapter of this book provides insight into how seemingly ordinary people have invented extraordinary modes of transportation over time. Sidebar information adds to the narrative content. STANDARD: ENGINEERING DESIGN.</p>
<p>Primary Honorable Mention</p>	
	<p>THE DIRT BOOK. David Harrison. Illus. Kate Cosgrove. Holiday House. 40 pp. ISBN-13: 978-0823438617. There is more than dirt under our feet and this book helps young readers explore the types of creatures that make their home there. Information is shared through poetry that make it easy to use as a read aloud or for students to enjoy individually. STANDARD: LIFE SCIENCE.</p>
	<p>Poo-Dunit?: A Forest Floor Mystery. Katelyn Aronson. Illus. Stephanie Laberis. Candlewick. 40 pp. ISBN-13: 978-1536216370. A memorable read for the adventurous teacher wanting to share this mystery-based plot into who pooped outside Mouse’s home. Science connections about decomposition and the observable characteristics of different</p>

	<p>types of “scat” are presented through fun, rhyming text.</p> <p>STANDARD: LIFE SCIENCE</p>
	<p>THE SHARK BOOK. 2021. Steve Jenkins & Robin Page. Illus. Steve Jenkins. Houghton Mifflin Harcourt. ISBN-13: 978-1328569493. For many years, Steve Jenkins dazzled us with his extraordinary talent as an author and illustrator to teach us “all things animals.” Jenkins and Page create another vividly impressive montage (using cut-paper collages) of many different shark species that are the apex predators in our oceans. Thank you for everything, Steve. STANDARD: LIFE SCIENCE.</p>
<p>Intermediate Honorable Mention</p>	
	<p>COUGAR CROSSING: HOW HOLLYWOOD’S CELEBRITY COUGAR HELPED BUILD A BRIDGE FOR CITY WILDLIFE. Meeg Pincus. Illus. Alexander Vidal. Beach Lane Books. 40 pp. ISBN-13: 978-1534461857. How can wildlife survive in urban areas? This book describes one community’s innovative approach for supporting the co-existence of wildlife and people in the midst of a busy city. STANDARD: EARTH AND SPACE SCIENCE.</p>



SECRETS OF THE SEA: THE STORY OF JEANNE POWER, REVOLUTIONARY MARINE SCIENTIST. Evan Griffith. Illus. Joanie Stone. Clarion Books. 40 pp. ISBN-13: 978-0358244325. Jeanne Powers, a 19th century dressmaker-turned-marine biologist, used glass aquarium tanks to observe features of sea creatures more closely and carefully documented her discoveries. Watercolor illustrations and additional end page information make this an enlightening text about marine science. STANDARD: LIFE SCIENCE.



MIMIC MAKERS: BIOMIMICRY INVENTORS INSPIRED BY NATURE. Kristen Nordstrom. Illus. Paul Boston. Charlesbridge. 48 pp. ISBN-13: 978-1580899475. What can we learn from shark skin or gecko feet? As it turns out, inventors have often looked to nature for inspiration when creating new materials or improving design solutions. Brief backgrounds are provided for each of the diverse scientists and engineers. STANDARD: ENGINEERING DESIGN.