



Bound to Stay Bound Books

Linking Libraries to Children's Books

Older Readers
Fall 2022

S

Science

T

Technology

E

Engineering

M

Mathematics

Adams, Gloria G.

041644 21st-Century Spaceships. Presents the astronautical engineering accomplishments of the past and present, along with an array of engineering obstacles that must be overcome to create the spaceships that will launch us into the exciting future of space exploration. *Feats Of 21st-Century Engineering.* il. [IL 8-12] 48 pages Enslow 629. **17.68 T,E**

Adamson, Thomas K.

041917 Lamborghini Huracan Evo. Colorful images accompany information about this Lamborghini model, including its price tag, top speed, body features, and more. *Epic. Cool Cars.* il. [IL 9-13] 24 pages Bellwether Media 629. **23.46 T,E**

041920 Lamborghini Sian. Colorful images accompany information about features of the attention-grabbing Lamborghini Sian and highlights the engine specs, body design, price tag, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T,E**

041921 McLaren 720S. Colorful images accompany information about the McLaren 720S and highlights the car's cost, speed, engine specs, place of origin, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T,E**

041928 Porsche Taycan. Colorful images accompany information about the Porsche Taycan, an electric vehicle on the cutting edge of technology, and highlights the basics of the car, including its acceleration, top speed, horsepower, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T,E**

Aguilar, David A.

046498 Luna: The Science And Stories Of Our Moon. Explore the moon from all angles, from its place in the night sky and our solar system to its role in shaping human history and culture. il. [IL 8-12] 63 pages National Geographic 523. **K,L 22.08 S**

Alkire, Jessie

051635 Wind Energy Projects: Easy Energy Activities For Future Engineers! Explore one of Earth's important energy resources with Wind Energy Projects from the history of wind energy, to how we use it today. *Earth's Energy Experiments.* il. [IL 8-11] 32 pages Abdo Zoom 333. **22.76 S,E**

Title Entry

056387 Amazon. Visit one of the most incredible natural environments, meeting the Amazon's plants and wildlife, and its people. *DK Eyewitness Books.* il. [IL 8-12] 72 pages DK Publishing 981. **16.79 S**

Amson-Bradshaw, Georgia

057382 Plastic Planet. One of the biggest problems facing Earth today is man-made: plastic. Because this material is so versatile, it became the default for making just about everything for years. But very little plastic is recycled, and that which is recycled is done so improperly. Readers may be familiar with bans on plastic bags and other solutions to the plastic problem, and hopefully this will help them understand how and why we got into trouble in the first place as well as how people might be able to fix it. *Explore The Planet.* il. [IL 10-12] 48 pages Enslow 363. **18.39 S**

Andrus, Aubre

062168 How To Speak Animal: A Guide To Learning How Animals Communicate. Learn the ins and outs of the varying methods animals use to communicate, from wild animals to household pets! *National Geographic Kids.* il. [IL 8-12] 176 pages National Geographic 591. **18.58 S**

Anthony, William

063901 Beasty Bacteria. Readers will learn about bacteria and how different kinds affect different creatures. *Attack Of The...* il. [IL 7-10] 24 pages Enslow 579. **16.47 S**

063929 Vulgar Viruses. Young scientists will jump right into the fascinating world of viruses and get an understanding of how they function, whether they're living or nonliving, and more. *Attack Of The...* il. [IL 7-10] 24 pages Enslow 579. **16.47 S**

Bard, Jonathan

089708 How A Satellite Is Built. Explores the complex engineering required to build, test, launch, and analyze satellite systems in use today and includes a look into where this fascinating technology is headed in the future. *Engineering Our World.* il. [IL 7-10] 24 pages Gareth Stevens 629. **15.87 T,E**

089739 Hydroelectricity: Harnessing The Power Of Water. Provides an in-depth look at the advances in technology that allow us to generate hydroelectricity more efficiently. *Powered Up!: A STEM Approach To Energy Sources.* il. [IL 8-11] 24 pages PowerKids 621. (AR) **15.92 S,T**

089743 Oops! It's Penicillin! The story of how the antibiotic, penicillin, was discovered and how it turned out to be a revolutionary cure for many ailments. *Accidental Scientific Discoveries That Changed The World.* il. [IL 8-12] 32 pages Gareth Stevens 615. (AR) **16.84 S**

089748 Understanding And Using UV And Infrared Radiation. Explores the science and discovery of infrared and ultraviolet radiation, as well as the ingenious ways scientists and engineers have used them, including common household devices such as remote controls for our televisions and in cutting-edge medical treatments. *Electromagnetic Spectrum.* il. [IL 9-13] 64 pages Enslow 535. **L 20.16 S**

Barone, Rebecca E. F.

091730 Race To The Bottom Of The Earth: Surviving Antarctica. The true stories of two Antarctica expeditions a century apart that both became races. Equal parts adventure and science, this exhilarating account is perfect for budding explorers, scientists, history buffs, survivalists, and thrill seekers. il. [IL 8-12] 262 pages Holt 919. **B+,C+,K+,L+,M,W (AR) 23.48 S**

091734 Unbreakable: The Spies Who Cracked The Nazis' Secret Code. Learn about a group of codebreakers, spies, and soldiers that cracked the Nazis' infamous Enigma machine, allowing the Allies to read secret military messages and turn the tide of WWII. [IL 10-14] 272 pages Holt 940. **K+,L+ 23.48 T**

Bayarri, Jordi

098499 Albert Einstein And The Theory Of Relativity. Albert Einstein challenged what people believed about the laws of physics. Covers Einstein's theories about light, motion, and more, as well as his time in Germany, Switzerland, and the United States. In graphic novel format. *Graphic Science Biographies.* il. [IL 10-12] 40 pages Graphic Universe 530-B. **L 24.88 S**

098501 Charles Darwin And The Theory Of Evolution. A biography of Charles Darwin that highlights his youthful push to become a naturalist--against the wishes of his stern father--shares a look at his field research, collaborations, scientific breakthroughs, and more. In graphic novel format. *Graphic Science Biographies.* il. [IL 10-12] 40 pages Graphic Universe 576-B. **L 24.88 S**

098566 Marie Curie And Radioactivity. A biography of Marie Curie from her early life in Poland to her scientific education in France, her work with Pierre Curie, her efforts to treat wounded soldiers during World War I, and more. In graphic novel format. *Graphic Science Biographies.* il. [IL 10-12] 40 pages Graphic Universe 540-B. **B,L 24.88 S**

Becker, Helaine

101237 Hubots: Real-World Robots Inspired By Humans. Takes a look at 10 human-like robots that roam among us. il. Ries, Alex. [IL 10-14] 32 pages Kids Can 629. **K,L,Q 22.08 T,E**



Beer, Julie (Children's Author)

102650 Why? Animals: 99+ Awesome Answers For Curious Kids. Want to know why octopuses shoot ink? Or why your cat almost always lands on its feet? Or why on earth penguins can't fly? If you want to rule in your knowledge about the animal kingdom and become an expert on all creatures that crawl, wriggle, run, swim, leap, and fly, this is the book for you! *National Geographic Kids*. il. [IL 8-12] 191 pages National Geographic 590. **18.58 S**

Beevor, Lucy

966075 Invention Of The Computer. An introduction to the computer, including the history and development, the inventors who helped influence the invention, how it works, and more. *Fact Finders. World-Changing Inventions*. il. [IL 8-11] 32 pages Capstone 004. **L (AR/RC) 6.50 T**

678207 Invention Of The Television. An introduction to the television, including its history and development, the inventors who help influence the invention, how it works, and more. *Fact Finders. World-Changing Inventions*. il. [IL 8-11] 32 pages Capstone 621. **L (AR) 22.87 T**

Bellows, Melina Gerosa

107083 101 Bizarre And Cool Q&As. How long does it take a spider to spin a web? Do earthworms have eyes? And really, what is the difference between jam and jelly? Packed with colorful photos, and bursting with bite-sized tidbits of information, these question-and-answer pairings cover everything from animals and food to science and sports. *Totally Random Questions v. 4*. il. [IL 8-12] 215 pages Bright Matter Books 031. **15.84 S**

107088 101 Odd And Awesome Q&As. Can pigeons do math? How long would it take to drive to the moon? What happens when a seahorse gets angry? Discover the answers to these questions and more on topics such as plants, animals, outer space, food, and geography. *Totally Random Questions v. 2*. il. [IL 8-12] 215 pages Random 031. **K 15.84 S**

107080 101 Strange And Stupendous Q&As. Which is faster, a cheetah or a greyhound? Are there volcanoes in space? Do Major League umpires only wear black underwear? Packed with colorful photos, and bursting with bite-sized tidbits of information, these question-and-answer pairings cover animals, science, sports, food, pop culture, and more. *Totally Random Questions v. 3*. il. [IL 8-12] 215 pages Bright Matter Books 031. **15.84 S**

107099 101 Wild And Weird Q&As. Are there volcanoes in space? Is a cloud heavier than an elephant? Why don't woodpeckers get concussions? Discover the answers to these questions and more covering animals, science, sports, food, pop culture, etc. *Totally Random Questions v. 1*. il. [IL 8-12] 215 pages Random 031. **K 15.84 S**

Berglund, Bruce R.

113805 Returning To The Moon. On July 20, 1969, Neil Armstrong became the first person to set foot on the moon. However, no person has visited the moon since 1972. Today, NASA is planning to go back for the first time in more than 50 years. Tag along with Max Axiom and the Society of Super Scientists to discover how NASA plans to finally return and have a permanent base on the moon. In graphic novel format. *Max Axiom And The Society Of Super Scientists*. il. Garcia, Eduardo. [IL 7-11] 32 pages Capstone 629. **24.83 S**

Berne, Emma Carlson

114570 Armor Up: Exoskeletons, Scales, And Shells. An introduction to animal armor, including the physical makeup of turtle shells, armadillo bands, millipede exoskeletons, how they use their armor to protect against specific predators, how they survive in their natural surroundings, and more. *Animal Defense!* il. Mitchell, Susan K. [IL 8-12] 48 pages Enslow 591. (AR) **17.68 S**

Biberdorf, Kate

119449 Kate The Chemist: The Awesome Book Of Edible Experiments For Kids. With 25 kid-friendly recipes that function as science experiments, this book shows kids just how fun-and easy-it is to be a scientist and a chef! Recipes include step-by-step instructions, an ingredients list, full-color photographs, a messiness factor rating, and a note from Kate explaining the science behind each delicious meal. il. Meyer, Dustin. [IL 8-12] 103 pages Philomel 540. **22.08 S**

119453 Kate The Chemist: The Big Book Of Experiments. Twenty-five kid-friendly science experiments for the world of STEM. il. Meyer, Dustin. [IL 8-12] 103 pages Philomel 540. **22.08 S**

Bodden, Valerie

129561 3-D Printers. Explore the history of printers, from punch cards, dot matrix, ink jet and laser all the way to today's 3-D printing! *Modern Engineering Marvels*. il. [IL 8-12] 32 pages Abdo 621. **Q (AR) 22.76 T,E**

129485 Virtual-Reality Headsets. Explore the history of virtual-reality immersion from the stereoscope and View-Master to flight simulators and arcade games to today's head mounted displays! *Modern Engineering Marvels*. il. [IL 8-12] 32 pages Abdo 621. **Q (AR) 22.76 T,E**

129484 Wearable Technology. Explore the history of wearable technology from the wristwatch to the Walkman to the eye-cam! *Modern Engineering Marvels*. il. [IL 8-12] 32 pages Abdo 621. **Q (AR) 22.76 T,E**

Bolden, Tonya

130454 Changing The Equation: 50+ US Black Women In STEM. Explores the black women who have changed the world of STEM (Science, Technology, Engineering, and Mathematics) in America. Including groundbreaking computer scientists, doctors, inventors, physicists, pharmacists, mathematicians, aviators, and many more, this book celebrates over 50 women who have shattered the glass ceiling, defied racial discrimination, and pioneered in their fields. il. [IL 10-14] 202 pages Abrams 509-C. **B,K,L 23.48 S,T,E,M**

Bolte, Mari
130836 How Plants Will Save The World. With our home planet Earth at risk, scientists, inventors, and world leaders have been working to think of ways to turn our planet green again--and plants may be the answer. *STEM To The Rescue*. il. [IL 10-14] 32 pages Full Tilt 500. **24.18 S**

130837 How The Internet Will Save The World. Scientists, inventors, and leaders of technology have been working to get things working "smarter," not harder. Learn about all the ways information technology--including smart tech--plays a role in our future. *STEM To The Rescue*. il. [IL 10-14] 32 pages Full Tilt 004. **24.18 T**

130839 How The Sun Will Save The World. Scientists, inventors, and energy experts have been working to think of ways to harness the sun's power. Learn about all the ways the sun has aided technological advances in the past, and how it plays a part in our future. *STEM To The Rescue*. il. [IL 10-14] 32 pages Full Tilt 500. **24.18 S,T**

130840 How Water Will Save The World. Scientists, inventors, and innovators have been working to think of ways to use the ocean's natural resources. Learn all about water and what it can do for us. *STEM To The Rescue*. il. [IL 10-14] 32 pages Full Tilt 500. **24.18 S**

130838 Legend Of Zelda. Describes the history of the game, introduces the creators and innovators, highlights competitions, and provides insight about the game's future. *Great Game!* il. [IL 8-11] 48 pages Norwood House 794. **L (AR) 25.56 T,E**

130842 Roblox. Describes the history of the game, introduces the creators and innovators, highlights competitions, and provides insight about the game's future. *Great Game!* il. [IL 8-11] 48 pages Norwood House 794. **L (AR) 25.56 T,E**

130847 Sims. Describes the history of the game, introduces the creators and innovators, highlights competitions, and provides insight about the game's future. *Great Game!* il. [IL 8-11] 48 pages Norwood House 794. **L (AR) 25.56 T,E**

Borgert-Spaniol, Megan

134983 Geothermal Energy Projects: Easy Energy Activities For Future Engineers! Explore one of Earth's important energy resources with Geothermal Energy Projects from the history to how we use it today. *Earth's Energy Experiments*. il. [IL 8-11] 32 pages Abdo Zoom 621. **22.76 S,E**

135023 Hedy Lamarr: Reimagining Radio. A biography of Hedy Lamarr from her early career as a Hollywood actress to her invention of a frequency-hopping mechanism that is now used in cell phones and GPS technology, and more. *STEM Superstar Women*. il. [IL 8-12] 32 pages Abdo 621-B. **L,Q (AR) 22.76 T,E**



135021 Jocelyn Bell Burnell: Discovering Pulsars. A biography of physicist Jocelyn Bell Burnell from her early career in physics and radio astronomy to her discovery of pulsars while studying radio waves, and more. *STEM Superstar Women*. il. [IL 8-12] 32 pages Abdo 530-B. **L,Q** (AR) **22.76 S,T,E**

135022 Rosalind Franklin: Unlocking DNA. A biography of Rosalind Franklin from her early career in coal research and x-ray crystallography to her groundbreaking photo that showed the structure of DNA, and more. *STEM Superstar Women*. il. [IL 8-12] 32 pages Abdo 572-B. **L,Q** (AR) **22.76 S,T**

Bow, James

139199 Geologists In Action. An introduction to geologists, including how they study earthquakes and volcanoes, why the earth shifts and erupts, how to better predict and plan for these hazards, and more. *Scientists In Action*. il. [IL 10-13] 32 pages Crabtree 551. **16.27 S**

Brereton, Catherine

149219 Women Scientists In Physics And Engineering. Explores the lives and accomplishments of ingenious women physicists and engineers making crucial discoveries and contributions to science throughout history, and more. *Superwomen In STEM*. il. [IL 10-14] 48 pages Gareth Stevens 600-C. (AR) **19.33 S,T,E**

Brown, Don

158112 Machines That Think! An exploration in graphic novel format of machines from ancient history to today that perform a multitude of tasks, from making mind-numbing calculations to working on assembly lines to guiding spaceships to the moon. In graphic novel format. *Big Ideas That Changed The World #2*. il. [IL 10-14] 124 pages Amulet 006. **C,K+,L+** (AR) **19.28 S,T,E**

158109 Rocket To The Moon! Looks at all the people that made space exploration possible. In graphic novel format. *Big Ideas That Changed The World #1*. il. [IL 10-14] 132 pages Amulet 629.

B,C,K+,L+,W (AR/RC) **19.98 S,T,E**

158157 Shot In The Arm! The history of vaccinations and the struggle to protect people from infectious disease, from smallpox to COVID-19. Taking a unique perspective, the book is narrated by Englishwoman Lady Mary Wortley Montagu, who popularized inoculation in England after encountering it in Turkey as wife of an English diplomat. Traces the evolution of vaccines and examines deadly diseases such as measles, polio, anthrax, rabies, cholera, and influenza. In graphic novel format. *Big Ideas That Changed The World #3*. il. [IL 10-14] 138 pages Amulet 615. **B+,C,K+,L+,M** **19.28 S**

Brundle, Joanna

174584 My Job In Engineering. Provides plenty of information about different careers in the field of engineering, including what robotic engineers do, how to become an electrical engineer, marine engineering, and more. *Classroom To Career*. il. [IL 8-12] 32 pages PowerKids 620. **16.91 E**

174615 My Job In Math. Introduces readers to many different careers that use math skills every day, including pilots, math teachers, video game programmers, bankers, and more. *Classroom To Career*. il. [IL 8-12] 32 pages PowerKids 510. **16.91 M**

174630 My Job In Science. Presents readers with exciting information about different careers in the field of science, including a zoologist, marine biologist, pharmacist, and more. *Classroom To Career*. il. [IL 8-12] 32 pages PowerKids 502. **16.91 S**

174638 My Job In Technology. Presents readers with exciting information about different careers in the field of technology, including food technologists, cybersecurity specialists, multimedia artists, animators, and more. *Classroom To Career*. il. [IL 8-12] 32 pages PowerKids 602. **16.91 T**

Brusatte, Stephen

164214 Age Of Dinosaurs: The Rise And Fall Of The World's Most Remarkable Animals. Learn about the history of these remarkable animals, speculation on what caused them to evolve and go extinct, and the science we use to make new discoveries about them every day. il. [IL 8-12] 249 pages Quill Tree 567. **B,K,L** **21.38 S**

Buckley, James

166366 Dangerous Teeth!: Moray Eel Attack. What happens

when a diver gets too comfortable with wild animals? Discover a diver's dangerous encounter with a moray eel. You'll think twice before getting too close to creatures after reading this graphic novel.

Danger Below! il. Anderson, Cassie. [IL 8-11] 24 pages Bearport 597. **B** **23.46 S**

166367 Floating Misery!: Portuguese Man-Of-War Attack. A fun swim in the ocean takes a dramatic turn when a beachgoer finds out that he's not swimming alone. Follow the story of man versus Portuguese man-of-war in this gripping graphic novel. *Danger Below!* il. Anderson, Cassie. [IL 8-11] 24 pages Bearport 593. **B** **23.46 S**

166409 Killer Tentacles!: Box Jellyfish Attack. An encounter with a box jellyfish adds killer tentacles to a day of surf and sun. Read the gripping tale of survival in this graphic novel. *Danger Below!* il. Anderson, Cassie. [IL 8-11] 24 pages Bearport 593. **B** **23.46 S**

Burgan, Michael

172959 Weird But True! Know-It-All: Rocks & Minerals. Readers will discover that there's a lot more to rocks and minerals than meets the eye. Budding geologists or any kid who likes to get to the bottom of things will find fascinating stats and facts accompanied by colorful photographs. *Weird But True! (National Geographic Kids)* il. [IL 8-12] 192 pages National Geographic 552. **18.58 S**

Buxner, Sanlyn

179468 Book Of The Moon. This incredible guide to the moon takes readers through its past, present, and future through amazing photographs, illustrations, and fascinating information. il. [IL 7-9] 80 pages DK Publishing 523. **19.98 S**

Calkhoven, Laurie

353940 Human Missions To Outer Space. The history of manned missions to space, plans for future missions, and the technology that makes it possible. *True Book. Space Exploration*. il. [IL 8-10] 48 pages Children's 629. **15.39 S,T**

Campbell, Sarah C.

184821 Infinity: Figuring Out Forever. What is infinity? Explore this fascinating and complex math concept and its purpose in our world. il. [IL 7-10] 32 pages Astra Young Readers 510. **L** **22.08 M**

Casey, Susan

197662 Dolphins: Voices In The Ocean. 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. il. [IL 10-14] 197 pages Delacorte 599. **B,K,L,Q** (AR/RC) **21.38 S**

Castaldo, Nancy F. (Nancy Fusco)

198707 Back From The Brink. Details the successful efforts of scientists to bring threatened animals back from the brink of extinction. il. [IL 10-12] 168 pages Clarion 333. **B+,K+,L,Q,W** (AR) **6.50 S**

Caudill, Craig

200652 Secret Signs Of Nature. Meet two young adventurers, as they discover the joy of finding their way using nature's clues. From worms, honeybees, and spiders to trees, flowers, and clouds, young adventurers are shown what to look and listen for wherever they are--whether in the back garden, a vast meadow, or the open sea. This is the ultimate guide on what the land, sky, plants, animals, and weather can reveal--if you only know where to look! il. Shryock, Carrie. [IL 7-11] 59 pages Abrams 508. **25.58 S**

Cerullo, Mary M.

203932 Volcano, Where Fire And Water Meet. Lava shoots into the air, then bubbles down mountains, flattening, burning, and boiling everything in its path. The destructive forces of volcanoes are terrifying and well-known. But what about their other forces? Award-winning children's science author Mary M. Cerullo brings her excellent research and signature storytelling style to the dynamic subject of volcanoes. Stitching science, history, and mythology together, Cerullo explores these explosive wonders of nature. il. [IL 7-11] 48 pages Capstone 551. (AR) **20.91 S**

Challoner, Jack

474488 Hurricane & Tornado. Describes dangerous and destructive



weather conditions around the world, such as thunderstorms, tornadoes, hurricanes, lightning, hail, and drought with photographs, historical background, and legends. *DK Eyewitness Books*. il. [IL 8-12] 72 pages DK Publishing 551. **16.69 S**

204730 STEM Lab: 25 Super-Cool Projects: Build, Invent, Create, Discover. More than twenty exciting, educational activities and projects that use STEM principles, including automatons, a geodesic dome, and singing spoons. il. [IL 9-12] 160 pages DK Publishing 500. **23.48 S,T,E**

Church, Dana L.

214252 Beekeepers: How Humans Changed The World Of Bumble Bees. Are bumble bees pushing out native pollinators? Why are some species of bumble bees flourishing whereas others are floundering, to the point of possibly disappearing forever? This narrative nonfiction explores these questions and tells the tale of bumble bees' history with humans. It highlights the interconnectedness of the two species, and touches on the topics of endangerment and extinction, the impact on human agriculture, and bumble bee habitats and ecology. il. [IL 8-12] 308 pages Scholastic 595. **B,K,L,W 22.78 S**

Clarke, Ginjer L.

218417 Are Sea Monsters Real? Discusses the history of mythical sea monsters while also imparting fascinating facts about the real ones. *Penguin Young Readers. Level 4*. il. [IL 8-9] 47 pages Penguin 591. **K 14.04 S**

218425 Here Comes The Rain!: Can Animals Predict The Weather? Learn about animals that are real-life weather predictors! *Penguin Young Readers. Level 4*. il. [IL 8-9] 48 pages Penguin 591. **14.04 S**

218448 Tiny Terrors!: The World's Scariest Small Creatures. Learn incredible facts about the smallest and scariest creatures in the world that show they don't have to be big to be deadly! *Penguin Young Readers. Level 4*. il. [IL 8-9] 48 pages Penguin 591. **14.04 S**

Claybourne, Anna

220292 Can You Hear Sounds In Space?: And Other Questions About Sound. Answers the intriguing questions about the science of sound, and much more. *Question Of Science*. il. [IL 8-12] 32 pages Crabtree 534. **16.77 S**

220296 Extinction Planet. Readers get a crash course in how and why a species may become extinct, including understandable information about what scientists believe happened when life began, evolution, the dinosaurs, and how all of these plays a role in the ecosystems of today. *Explore The Planet*. il. [IL 10-12] 48 pages Enslow 576. **18.39 S**

220297 Hot Planet. Takes readers through the causes of it as well as examples--like wildfires and the melting polar ice--that show how a warmer world climate is harming Earth and encourages them to take charge of the future of Earth in their own way. *Explore The Planet*. il. [IL 10-12] 48 pages Enslow 363. **18.39 S**

220291 Make A Biosphere And Mini-Garden. Develop your STEAM skills as you design and build your very own biosphere and mini garden. This book contains step-by-step projects that give you clear instructions to make every element a model biosphere and mini garden needs, including a dome, water fountain, and pathways. *Make-It Models*. il. [IL 9-12] 32 pages Crabtree 333. **L 16.77 S**

220304 Make A Space Center. Develop your STEAM skills as you design and build your very own space center! This book contains step-by-step projects that give you clear instructions to make every element a model space center needs, including a rocket and launch pad, Mars rover, and satellite. *Make-It Models*. il. [IL 9-12] 32 pages Crabtree 629. **L 16.77 S,T,E**

220306 Pandemic Planet. Gives young readers a clear, insightful, non-alarmist introduction to viruses and pandemics, including what they are, how they spread, how we deal with them, how they have changed our world almost beyond recognition and explores how we can arm ourselves against them, both at an individual and a global level. *Explore The Planet*. il. [IL 10-12] 48 pages Enslow 614. **18.39 S**

220305 Recycled Planet. Helps readers understand why recycling is important, how it happens, and the problems that arise during

the recycling process. Also offers solutions readers can begin to implement in their lives and communities right away and long term. *Explore The Planet*. il. [IL 10-12] 48 pages Enslow 363. **18.39 S**

220309 Sustainable Planet. Introduces the main concept of sustainability, including relatable examples and tips on how to live more sustainably now and in the future--and how that will impact Earth. *Explore The Planet*. il. [IL 10-12] 48 pages Enslow 338. **18.04 S**

220310 Where Does Lightning Come From?: And Other Questions About Electricity. Answers intriguing questions about the science of electricity, and much more. *Question Of Science*. il. [IL 8-12] 32 pages Crabtree 537. **16.77 S**

220313 Why Does A Mirror Show Things Backwards?: And Other Questions About Light. Answers intriguing questions about the science of light, and much more. *Question Of Science*. il. [IL 8-12] 32 pages Crabtree 535. **16.77 S**

Clutton-Brock, Juliet

198929 Cat. Text and photographs present the anatomy, behavior, habitats, and other aspects of wild and domestic cats. *DK Eyewitness Books*. il. [IL 8-12] 72 pages DK Publishing 599. **16.79 S**

Cohn, Jessica

226341 Mars Rovers. Covers the history of Mars rovers' missions, discoveries from the missions, and what scientists expect to discover on Mars in the future. *True Book. Space Exploration*. il. [IL 8-10] 48 pages Children's 629. **15.39 S**

Collins, Ailynn

231258 Exploring The Solar System And Beyond. People have long been curious about the solar system. Since the 1960s, several probes, orbiters, landers, and rovers have been sent out to explore and study the planets and their moons. What incredible discoveries were made during these daring missions? And what will be needed for humans to visit the planets in person? Ride along with Max Axiom and the Society of Super Scientists to learn about the solar system and the risks involved in traveling to the planets. In graphic novel format. *Max Axiom And The Society Of Super Scientists*. il. Doescher, Erik. [IL 7-11] 32 pages Capstone 629. **24.83 S**

Conley, Kate A.

235492 Engineering The London Underground. Examines the need for underground transport, advances in tunneling and train technology, the role the Underground has played in London's history, and more. *Building By Design*. il. [IL 9-12] 48 pages Abdo 625. **Q 25.56 T,E**

Cowan, Mary Morton

246005 Cyrus Field's Big Dream: The Daring Effort To Lay The First Transatlantic Telegraph Cable. Explores the extraordinary achievement of Cyrus Field and one of the greatest engineering feats of the 19th century: laying a transatlantic telegraph cable to create instant communication between two continents. il. [IL 10-14] 224 pages Calkins Creek 384-B. **B,K,Q (AR/RC) 23.46 T,E**

Crane, Cody

247534 All About Fossils: Discovering Dinosaurs And Other Clues To The Past. This book introduces readers to fossils. *True Book. Digging In Geology*. il. [IL 8-10] 48 pages Children's 560. **B+,L 15.39 S**

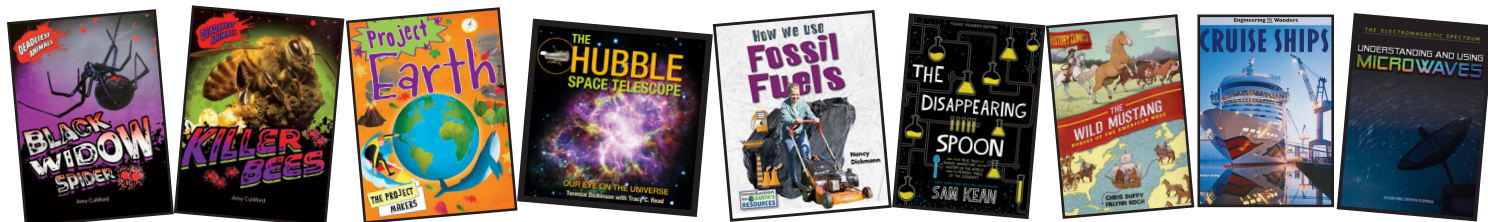
247535 All About Hurricanes: Discovering Earth's Wildest Storms. This book shows readers the awesome power of hurricanes. *True Book. Natural Disaster!* il. [IL 8-10] 48 pages Children's 551. **15.39 S**

247536 All About Minerals: Discovering The Building Blocks Of Earth. This book introduces readers to minerals. *True Book. Digging In Geology*. il. [IL 8-10] 48 pages Children's 549. **L 15.39 S**

247538 All About Tornadoes: Discovering Earth's Strongest Winds. This book shows readers the awesome power of tornadoes. *True Book. Natural Disaster!* il. [IL 8-10] 48 pages Children's 551. **15.39 S**

Culliford, Amy

252256 African Lion. Mislabeled as the King of the Jungle, African lions actually live on savannas and it's the females who do most of the hunting. Read all about the African lion's keen senses and outstanding stalking and hunting skills for taking down large, fast-moving prey. *Deadliest Animals*. il. [IL 7-10] 32 pages Crabtree 599. **16.09 S**



252309 Black Mamba. The black mamba eats mostly small rodents but kills thousands of people every year with its venomous bite when it feels threatened. *Deadliest Animals*. il. [IL 7-10] 32 pages Crabtree 597. **16.09 S**

252312 Black Widow Spider. A bite from a black widow spider has more venom than a rattlesnake. It won't kill you, but it will cause you a world of pain. Sadly, they live on every continent in the world except Antarctica. Read about the cannibalistic habits of this spider and how to spot one by the red or orange hourglass shape on its abdomen. *Deadliest Animals*. il. [IL 7-10] 32 pages Crabtree 595. **16.09 S**

252313 Great White Shark. Twice as long as humans are tall, the great white shark is the largest predatory fish in the ocean. This fish will go through 20,000 teeth over its lifetime. *Deadliest Animals*. il. [IL 7-10] 32 pages Crabtree 597. **16.09 S**

252315 Killer Bees. Killer bees were created by humans who were trying to make a more efficient bee for making honey. The new bee they made would swarm and attack intruders in great numbers. Read all about this aggressive bee and its gradual spread north in North America. *Deadliest Animals*. il. [IL 7-10] 32 pages Crabtree 595. **16.09 S**

252316 Polar Bear. A hungry polar bear is one of the most dangerous animals you will meet. Read all about their amazing sense of smell, their giant paws, and razor-sharp claws that rip easily through prey. *Deadliest Animals*. il. [IL 7-10] 32 pages Crabtree 599. **16.09 S**

De la Bedoyere, Camilla

102024 Project Earth. An introduction to this planet we call Earth, giving an overview of the many life forms it contains along with the natural occurrences and resources that can either bring danger or sustain life. Includes science projects. *Project Makers*. il. [IL 8-11] 32 pages Windmill Books 550. **17.72 S**

Dellaccio, Tanya

272473 How A Submarine Is Built. Readers will learn about the ingenious engineering behind the submarines, from construction to the ins-and-outs of how they work, and more. STEM concepts help readers understand the science that makes submarines possible. *Engineering Our World*. il. [IL 7-10] 24 pages Gareth Stevens 623. **15.87 T,E**

Dickinson, Terence

277810 Hubble Space Telescope: Our Eye On The Universe. Aided by photographs from Hubble, this book describes how Hubble gathers imagery and transmits it to Earth and discusses the telescope's top discoveries. It also explores the stormy weather on our solar system's planets and moons, star clusters, nebulae and the Milky Way Galaxy, star nurseries and Hubble's glimpses of distant galaxies in deep space. il. [IL 10-14] 80 pages Firefly Books 522. **K,L 16.27 S,T,E**

Dickmann, Nancy

278093 How We Use Fossil Fuels. Find out why fossil fuels are important, how we use them, and the search for cleaner, renewable forms of energy to replace them. *Introduction To Earth's Resources*. il. [IL 8-10] 32 pages Crabtree 553. **16.77 S**

278092 How We Use Water. Find out why water is so important to us, how it can be used to make energy, how we can keep it clean, and simple steps readers can take to conserve and recycle water. *Introduction To Earth's Resources*. il. [IL 8-10] 32 pages Crabtree 333. **16.77 S**

278100 Women Scientists In Astronomy And Space. Explores the lives and accomplishments of ingenious women astronomer and scientists throughout history, from Wang Zhenyi of the Qing dynasty, to Sally Ride, and more. *Superwomen In STEM*. il. [IL 10-14] 48 pages Gareth Stevens 500-C. (AR) **19.33 S**

Dingle, Adrian

510518 Disappearing Spoon: And Other True Tales Of Rivalry, Adventure, And The History Of The World From The Periodic Table Of The Elements. The extraordinary human history of the periodic table. il. [IL 10-14] 229 pages Little 546. **B,K,L,Q (AR/RC) 6.50 S**

Duffy, Chris

293833 Wild Mustang: Horses Of The American West. Brought to the Western Hemisphere by Spanish conquistadors, horses

immediately became a crucial part of the American story. The Spanish used them to win wars, Native American tribes used them to travel and hunt, and the giant herds of wild mustangs became a resource and a world-renowned wonder of the Americans West. In graphic novel format. *History Comics*. il. Koch, Falynn. [IL 9-13] 128 pages First Second 599. **K,L (AR) 18.58 S**

Duhig, Holly

294127 Bionic Limbs. Readers learn the history of bionic limbs in science fiction and popular culture and connect it to the real, amazing science of today, and the future of this technology. *Science Fiction To Science Fact*. il. [IL 9-12] 32 pages Gareth Stevens 617. (AR) **16.84 S,T**

Duling, Kaitlyn

294474 Cruise Ships. An introduction to the engineering concepts and design of cruise ship innovation, including weight, density, electricity, power, safety, fun, and more. *Engineering Wonders*. il. [IL 8-11] 48 pages Rourke 623. **17.16 E**

Eamer, Claire

299663 Extremely Gross Animals: Stinky, Slimy And Strange Animal Adaptations. Describes more than 30 animals-the grossest of the gross-and explores how their habitats, as revolting as they might be, help them thrive. il. [IL 7-10] 40 pages Kids Can 591. **K 22.08 S**

Eboch, M. M.

302539 How Do Virtual Assistants Work? An introduction to virtual assistants, including how they are used for simple jobs such as playing music or streaming podcasts, to communicating with friends and reminding you about homework coming due while helping you make your breakfast, and more. *High-Tech Science At Home*. il. [IL 8-11] 48 pages Capstone 006. (AR) **25.16 T**

Edwards, Roberta

303845 What Was The Plague? While the coronavirus COVID-19 changed the world in 2020, it still isn't the largest and deadliest pandemic in history. That title is held by the Plague. This disease, also known as the "Black Death," spread throughout Asia, Africa, and Europe in the fourteenth century and claimed an astonishing 75-200 million lives by the time it officially ended. Learn about these grimy and horrific years, explaining just how this pandemic began, how society reacted to the disease, and the impact it left. *What Was-- ?* il. Putra, Dede. [IL 8-12] 108 pages Penguin Workshop 616. (AR) **14.49 S**

Eldridge, Alison

305513 Understanding And Using Gamma Rays. Gives readers a look into the discovery, history, and uses of gamma rays and how electromagnetic radiation is affecting us every day. *Electromagnetic Spectrum*. il. [IL 9-13] 64 pages Enslow 539. **L 20.16 S**

305514 Understanding And Using Microwaves. Gives readers a look into the discovery, history, and uses of microwave energy and how electromagnetic radiation is affecting us every day. *Electromagnetic Spectrum*. il. [IL 9-13] 64 pages Enslow 537. **L 20.16 S**

Emlen, Douglas John

310308 Beetle Battles: One Scientist's Journey Of Adventure And Discovery. Join scientist Doug Emlen as he navigates the South American terrain searching for an elusive type of beetle. il. [IL 8-12] 170 pages Roaring Brook 595. **B,K,L (AR) 22.78 S**

Enz, Tammy

312042 Artificial Intelligence At Home And On The Go: An Augmented Reading Experience. An introduction to artificial intelligence and how it might change how we live and travel, along with the ethical dilemmas we face with a rapidly changing technology. Edge Books. *World Of Artificial Intelligence*. il. [IL 8-13 RL 6-9] 32 pages Capstone 640. **L (AR/RC) 24.83 S,T**

312050 Science On The Titanic. You may know about the sinking of the Titanic. But did you know science played a big role in the ship's voyage, disaster, and discovery? Learn all about the ship and the events that led to it sinking. Discover how technology uncovered answers to how this famous ship's voyage ended in disaster. *Science Of History*. il. [IL 8-11] 48 pages Capstone 910. **25.16 S,T**

312049 Science On The Underground Railroad. The Underground Railroad was used by people escaping enslavement in the South. This system of passages and safe houses helped people reach freedom in



the Northern United States or Canada. Did you know science played a role in the Underground Railroad? Learn how people used the night sky to find their way north and much more! *Science Of History*. il. [IL 8-11] 48 pages Capstone 973. **25.16 S**

Farndon, John

325193 Project Science. An introduction to science for scientists in training, including step-by-step instructions to create water-powered rockets, fizzy eruptions, the forces of physics, and more. *Project Makers*. il. [IL 8-11] 32 pages Windmill Books 507. **17.72 S**

703008 Rocks And Minerals. Readers will explore the substances that make up our Earth through comic illustrations and hilarious characters. *Animated Science 2*. il. Pate, Shiho. [IL 8-12] 128 pages Scholastic 552. **18.58 S**

Fieseler, Clare

774634 No Boundaries: 25 Women Explorers And Scientists Share Adventures, Inspiration, And Advice. Learn about what kinds of jobs these fearless female scientists and explorers do, and how you can follow in their footsteps. il. [IL 10-14] 159 pages National Geographic 509-C. **21.38 S**

Finn, Peter

335077 Do Aliens Exist? Presents information about aliens and UFOs through personal and historical accounts, as well as possible scientific explanations for supposed encounters. *Fact Or Fiction?* il. [IL 9-12] 32 pages Gareth Stevens 576. **17.54 S**

335094 Do Dragons Exist? Informs readers about possible scientific explanations, such as mistaking dinosaur bones for dragon bones. Among the dragons in the discussion are the antagonists in Beowulf and the Saint George story and the many dragon gods of ancient Chinese and Japanese myths. *Fact Or Fiction?* il. [IL 9-12] 32 pages Gareth Stevens 398. **17.54 S**

335106 Do Mermaids Exist? Brings together myths from cultures all over the world and highlights the interesting stories of P. T. Barnum's Feejee Mermaid of the 1800s as well as the original "Little Mermaid" fairytale. Readers will explore possible scientific explanations for the many sightings and consider what they believe. *Fact Or Fiction?* il. [IL 9-12] 32 pages Gareth Stevens 398. **17.54 S**

335108 Do Monsters Exist? Presents classic lore and modern tales, often side by side with possible scientific explanations. But readers will learn that stories of Bigfoot, the Loch Ness monster, vampires, werewolves, and other strange creatures persist, despite the protests of skeptics. *Fact Or Fiction?* il. [IL 9-12] 32 pages Gareth Stevens 001. **17.54 S**

335109 Do Unicorns Exist? Exploring stories about unicorns from around the globe and myths and legends with possible scientific explanations. *Fact Or Fiction?* il. [IL 9-12] 32 pages Gareth Stevens 398. **17.54 S**

Title Entry

336160 Fish. Dive into a watery world where many wonderful fish of all shapes and sizes swim, in rivers, lakes, and oceans. *DK Eyewitness Books*. il. [IL 8-12] 72 pages DK Publishing 597. **16.79 S**

Title Entry

339816 5,000 Awesome Facts (About Animals) From anteaters to zombie worms, this book covers fascinating facts like survival adaptations, record holders, animal communication, and much more. *National Geographic Kids*. il. [IL 8-12] 224 pages National Geographic 590. **K 23.48 S**

Fletcher, Tiera

341598 Wonder Women Of Science: Twelve Geniuses Who Are Currently Rocking Science, Technology, And The World. Searching the cosmos for a new Earth. Using math to fight human trafficking. Designing invisible (and safer) cars. Unlocking climate-change secrets. All of this groundbreaking science, and much more, is happening right now, spearheaded by the diverse female scientists and engineers profiled in this book. il. Comport, Sally Wern. [IL 9-12] 195 pages Candlewick 509-C. **B+,K+,L 23.48 S,T,E,M**

Flood, Joe

343228 Birds Of Prey: Terrifying Talons. Meet some of the world's most skilled hunters up close and personal, from the majestic eagle to the oft-maligned scavenger vulture! Discover how these amazing birds, who are often at the top of the food chain, play an integral role in many different ecosystems around the world. In graphic novel format. *Science Comics*. il. [IL 9-13] 122 pages First Second 598. **K,L 18.58 S**

Furstinger, Nancy

362061 Herding Dogs. An introduction to the sport of herding,

including the history, conditioning, training, competing, and more. *Canine Athletes*. il. [IL 8-12] 32 pages SportsZone Books 636. **L (AR) 23.46 S**

Gieseke, Tyler

378228 Carbon Cycle. Presents the basics of the carbon cycle, including how plants pull carbon out of the air, how animals get carbon from plants, and how all living things eventually return their carbon to the air. *Earth Cycles*. il. [IL 8-12] 32 pages Abdo Zoom 551. **25.56 S**

378261 Migration Cycles. Introduces young readers to migration and the reasons species travel, including to find food and seek a more comfortable climate. *Earth Cycles*. il. [IL 8-12] 32 pages Abdo Zoom 591. **25.56 S**

378276 Plant And Animal Life Cycles. All living things go through a life cycle--it's the circle of life. This title gives a broad overview of plant and animal life cycles for the youngest biologists. *Earth Cycles*. il. [IL 8-12] 32 pages Abdo Zoom 570. **25.56 S**

378284 Rock Cycle. Introduces the rock cycle, with simple explanations, fun examples of where to see different types of rock, and infographics. *Earth Cycles*. il. [IL 8-12] 32 pages Abdo Zoom 552. **25.56 S**

378288 Water Cycle. Introduces the basic water cycle, from evaporation to condensation and precipitation. The three states of water are also discussed. *Earth Cycles*. il. [IL 8-12] 32 pages Abdo Zoom 551. **25.56 S**

378290 Weather Cycles. Introduces the basic weather cycles, including seasonal changes and the effects of geography on local climate. *Earth Cycles*. il. [IL 8-12] 32 pages Abdo Zoom 551. **25.56 S**

Gifford, Clive

378518 100 Things To Know About Inventions. From helicopters to fireworks, 100 inspiring inventions are introduced from ancient history to the modern era. il. Gu, Yiffy. [IL 6-12] 112 pages Happy Yak 500. **K 23.46 T,E**

Ginis, Elizabeth

380092 World's Most Freaky Animals. Whether it's terrifyingly long tusks, odd mating behavior, or strange egg-laying, many animals have some freaky features. Highlights some of the weirdest creatures found on every continent, from owls to octopuses and butterflies to toads. *World's Most*. il. [IL 8-12] 32 pages Gareth Stevens 590. **B,L 16.84 S**

Gitlin, Marty

380742 Careers In Nanomedicine. Readers get acquainted with the people behind today's most cutting-edge technologies in the nanomedicine field--from bright ideas to cool new products--and inspires readers to consider a high-tech future career. *Emerging Tech Careers*. il. [IL 9-13] 32 pages Cherry Lake 610. **24.16 S,T**

380767 Careers In Self-Driving Car Technology. Readers get acquainted with the people behind today's most cutting-edge technologies in the self-driving car tech field--from bright ideas to cool new products--and inspires readers to consider six exciting high-tech future careers related to self-driving vehicles. *Emerging Tech Careers*. il. [IL 9-13] 32 pages Cherry Lake 629. **24.16 S,T**

605588 Nanomedicine. With nanotechnology, doctors can use tiny electronic devices and sensors to create innovative new treatments for their patients. *21st Century Skills Innovation Library. Emerging Tech*. il. [IL 9-14] 32 pages Cherry Lake 610. (AR) **24.16 S,T**

380743 Smart Homes. Readers will learn the practical application, the technological and future advancements, and innovation of IoT in today's homes, and more. *21st Century Skills Innovation Library. Exploring The Internet Of Things*. il. [IL 7-11] 32 pages Cherry Lake 643. (AR) **24.16 S,T**

380755 Smart Wearable Devices. Readers will learn the practical application, the technological and future advancements, and innovation of IoT in today's wearable devices, and more. *21st Century Skills Innovation Library. Exploring The Internet Of Things*. il. [IL 7-11] 32 pages Cherry Lake 004. (AR) **24.16 S,T**

380738 Wearable Electronics. From the Fitbit to the Apple Watch, wearable electronics have taken the world by storm. With this book students will learn about the past, present, and future of technological innovation. *21st Century Skills Innovation Library. Emerging Tech*. il. [IL 9-14] 32 pages Cherry Lake 621. (AR) **24.16 S,T**



Goldish, Meish

384386 Deadly Lizard Bite! Learn about venomous lizards and information about venom and its deadly effects. *Envenomators*. il. [IL 8-12] 24 pages Bearport 597. (AR) **23.11 S**

Golkar, Golriz

384850 Science Of Machu Picchu. Have you ever heard of Machu Picchu? It's an ancient citadel high in the mountains of Peru. Science played a big role in the building of Machu Picchu and the daily life of the Inca people who lived there. Find out the science behind Machu Picchu. Discover how modern technology is being used to uncover more mysteries of this ancient place. *Science Of History*. il. [IL 8-11] 48 pages Capstone 985. **25.16 S,T,E**

Golusky, Jackie

385262 COVID-19: The Coronavirus Disease. Scientists and health-care workers around the world are battling COVID-19. Find out how the disease attacks the human body and see how people are fighting back. *Deadly Diseases (UpDog Books)* il. [IL 6-9] 24 pages Lerner 614. **28.15 S**

Graham, Ian

391118 Project Space. Compelling projects help reinforce essential space-science information such as data about our solar system and the theory behind the Big Bang, and more. *Project Makers*. il. [IL 8-11] 32 pages Windmill Books 520. **L 17.72 S**

Grandin, Temple

392537 Outdoor Scientist: The Wonder Of Observing The Natural World. A guide to exploring the outdoors and asking questions about nature. il. [IL 8-12] 200 pages Philomel 508. **B,K,L 22.78 S**

Gray, Leon

394320 Dirty Bombs And Shell Shock: Biology Goes To War. From using horses in battle to operating hospitals in a war zone, biology has been an important part of warfare. Readers will learn about the scientists and concepts that contributed to modern understanding of biology. *STEM On The Battlefield*. il. [IL 9-12] 48 pages Lerner 355. **Q (AR/RC) 6.50 S,T**

Gregory, Josh

400997 Careers In Drone Technology. Readers get acquainted with the people behind today's most cutting-edge technologies in the drone tech field--from bright ideas to cool new products--and inspires readers to consider six exciting high-tech future careers linked to drones. *Emerging Tech Careers*. il. [IL 9-13] 32 pages Cherry Lake 629. **B 24.16 T**

Gutierrez, Jolene

408462 Bionic Beasts: Saving Animal Lives With Artificial Flippers, Legs, And Beaks. Using innovative designs and technology such as 3-D printing, humans are helping animals in need. Discover the amazing true stories of five animals that have survived thanks to their prosthetic body parts. il. [IL 9-14] 48 pages Millbrook 636. **K,L (AR) 26.28 T**

Halls, Kelly Milner

415099 Death Eaters: Meet Nature's Scavengers. An in-depth look at the science of decomposition, showcasing how and why living things are recycled by the planet and its creatures after death. il. [IL 9-14] 40 pages Millbrook 591. **B,K,L,Q (AR) 32.81 S**

415109 Gross Science Projects. Science can be messy-and revolting! The projects in this STEAM title--from fake blood to slimy fake intestines--are a great way to add some fun to science explorations. *Project: STEAM*. il. [IL 9-14] 48 pages Rourke 500. **17.16 S**

Hamilton, Sue L.

415823 Aerobatic Aircraft. Readers fly along with some of today's most famous planes and pilots as they perform loops, rolls, spins, and more. *Xtreme Aircraft*. il. [IL 7-10] 48 pages Abdo Zoom 629. **L 25.56 T**

415998 Electric Aircraft. Kids learn the benefits and challenges of electric aircraft and the newest and coolest futuristic aircraft flying today. *Xtreme Aircraft*. il. [IL 7-10] 48 pages Abdo Zoom 629. **L 25.56 T**

416034 Fire & Rescue Aircraft. Readers fight fires in fixed-wing planes and specially designed helicopters carrying thousands of gallons of water or chemicals. They ride along on rescues that take on altitude, wind, snow, rain, fog, and more to bring injured people to safety. *Xtreme Aircraft*. il. [IL 9-13] 48 pages Abdo Zoom 600. **L 25.56 T**

416108 Gliders. Readers learn the many designs of today's gliders and the pilots who take to the skies for free flight. *Xtreme Aircraft*. il. [IL 7-10] 48 pages Abdo Zoom 629. **L 25.56 T**

416285 Spaceplanes. Brings readers the history and excitement of the world's attempts at creating aircraft that are part plane and part spaceship. *Xtreme Aircraft*. il. [IL 7-10] 48 pages Abdo Zoom 629. **L 24.86 T**

416357 Unmanned Aircraft. Readers learn that some pilots fly with their feet on the ground. Flying without a pilot at the helm, UAVs (unmanned aerial vehicles) take to the skies for surveillance, search and rescue, and even artistic displays. *Xtreme Aircraft*. il. [IL 7-10] 48 pages Abdo Zoom 629. **L 24.86 T**

Hawksett, David

427704 Living On Mars: Can You Colonize A Planet? Explores the possibility of living on Mars. *Be A Space Scientist!* il. [IL 10-14] 48 pages PowerKids 523. (AR) **6.50 S**

427705 Our Sun: Can You Figure Out Its Mysteries? Step into the shoes of a space scientist and try to problem-solve some real issues that professionals face investigating the mysteries of the sun. *Be A Space Scientist!* il. [IL 10-14] 48 pages PowerKids 523. (AR) **17.72 S**

Hearst, Michael

433337 Unconventional Vehicles: Forty-Five Of The Strangest Cars, Trains, Planes, Submersibles, Dirigibles, And Rockets Ever. Get ready to learn about 45 of the strangest, most unconventional vehicles that have ever existed--from submersibles to dirigibles, and everything in between. il. Jenssen, Hans. [IL 8-12] 97 pages Chronicle 629. **B,K,L 23.48 T**

Herman, Gail

440344 What Is Climate Change? Learn what climate change means and how it's affecting our planet. *What Was-- ?* il. Hinderliter, John. [IL 8-12] 108 pages Penguin 551. (AR/RC) **14.49 S**

Hirsch, Andy

412319 American Bison: The Buffalo's Survival Tale. Turn back the clock to the early 18th century, when the American prairies shook under the hooves of nearly 30 million bison. A century later, people struggled to find a single one left alive. How did the great herds disappear, and what will it take to bring them back? In graphic novel format. *History Comics*. il. [IL 9-13] 122 pages First Second 599. **L (AR) 18.58 S**

446852 Transcontinental Railroad: Crossing The Divide. Experience the great railroad race. Who will build the longest track and connect the East to the West? *History Comics*. il. [IL 9-13] 128 pages First Second 625. **18.58 E**

Hirsch, Rebecca E.

446832 Living Fossils: Survivors From Earth's Distant Past. Blue-blooded crabs? Platypus that sting? One-hundred-year old reptiles? Meet some of nature's longest-surviving species! Discover the stories of these incredible animals and find out how they help scientists piece together evolutionary history. il. [IL 8-14] 48 pages Millbrook 591. **B,K,L (AR) 26.28 S**

446850 When Plants Attack: Strange And Terrifying Plants. Presents fun and gross facts about a variety of plants that do some dangerous things to survive and explains the science behind why they do what they do. il. [IL 9-14] 48 pages Millbrook 581. **B,K (AR/RC) 31.88 S**

Hoena, B. A.

450915 Cell Phones And Smartphones: A Graphic History. Cell phones allowed people to connect on the go, and smartphones have transformed the way we share information. Discover the landmark shifts in phone technology--and the people--that have shaped modern communication. In graphic novel format. *Amazing Inventions*. il. Rowland, Ceej. [IL 8-12] 32 pages Graphic Universe 621. (AR) **29.08 T**

450957 Electric Guitar: A Graphic History. For decades, the blasts and howls of the electric guitar have been some of the defining sounds of popular music. But more than a century of effort and innovation had to happen before this instrument went electric. In graphic novel format. *Amazing Inventions*. il. Buisan, David. [IL 8-12] 32 pages Graphic Universe 787. **B+ (AR) 29.08 T**



450947 Sneakers: A Graphic History. Sneakers grew out of efforts to make more durable, more comfortable shoes-and became a major link between sports and fashion. Their rising popularity led to celebrity endorsements, big-name brands, and ongoing technological breakthroughs. In graphic novel format. *Amazing Inventions*. il. Rowland, Ceej. [IL 8-12] 32 pages Graphic Universe 685. (AR) **29.08 T**

Hofer, Charles

451108 Adorable But Deadly Creatures. With big eyes and ears and colorful bodies, a lot of creatures in nature look very cute. But don't be fooled by their adorable appearance. When provoked, these animals can easily injure or kill a person. Their defense mechanisms like poison and sharp teeth and claws can turn them from darling to deadly. Get ready to discover some of the world's cutest killers. *Killer Nature*. il. [IL 8-11] 32 pages Capstone 591. (AR) **23.85 S**

451152 Cuddly But Deadly Animals. The world is full of furry, cuddly-looking animals. They often seem harmless at first glance. But don't try to snuggle with these fuzzy creatures. Many of them can be very dangerous. Some have razor-sharp claws and teeth. Others are incredibly strong. Still others are poisonous or carry deadly diseases. Prepare to meet some of the world's cuddliest killers. *Killer Nature*. il. [IL 8-11] 32 pages Capstone 591. (AR) **23.85 S**

451174 Silent But Deadly Plants. Go for a hike in the woods and you're sure to see a wide range of plants. Many colorful flowers and fruits seem perfectly harmless. But don't be fooled by these beautiful plants. Some plants eat bugs, and some are poisonous, deadly enough to sicken or even kill a person! Get ready to explore some of the world's quietest killers. *Killer Nature*. il. [IL 8-11] 32 pages Capstone 581. (AR) **23.85 S**

451184 Tiny But Deadly Critters. The world is crawling with all sorts of bugs and other little critters. But don't be fooled by their small size. Many of these creatures are quite dangerous. Some are armed with powerful poison that can kill a person. Others carry and spread deadly diseases. Brace yourself to discover some of the world's tiniest killers. *Killer Nature*. il. [IL 8-11] 32 pages Capstone 591. (AR) **23.85 S**

Hollihan, Kerrie Logan

459214 Bones Unearthed! Investigates remarkable discoveries of skeletal remains and what they reveal about human civilization. Combining fascinating history with science, the author unearths the truth about famous bones by exploring forensic evidence, archaeology, anthropology, medicine, and folklore. *Creepy And True #3*. il. [IL 10-14] 200 pages Abrams 930. **K,L 21.38 S**

Honovich, Nancy

461955 1,000 Facts About Insects. All kinds of information about insect creepers, crawlers, fliers, stingers, biters, and more. il. [IL 8-12] 96 pages National Geographic 595. **19.98 S**

Hopkinson, Deborah

463310 Deadliest Hurricanes Then And Now. As a hurricane gathered in the Caribbean, blue skies covered Galveston, Texas. Scientists knew a storm was coming. But none of them were able to prepare Galveston for the force of the hurricane that hit on September 8, 1900. Also includes highlights about other deadly hurricanes. *Deadliest #2*. il. [IL 7-10] 184 pages Scholastic 551. **B+,K+ (AR) 15.79 S**

Howard, Tait

466322 Spiders: Worldwide Web. A sister and brother agree to help a talking spider find her missing child, but they don't realize that it will take them on a journey across the globe! Along the way they'll meet spiders who live in every environment imaginable, from their own backyard to the Australian Outback. Although they seem scary at first, once you learn why spiders have gotten such a bad reputation you'll see that spiders are actually here to help! In graphic novel format. *Science Comics*. il. [IL 9-13] 118 pages First Second 595. (AR) **18.58 S**

Hubbard, Ben

467321 What Do We Know About Crop Circles? Learn about the phenomenon of crop circles and how they came to be one of the most studied mysteries of the natural world. *What Do We Know About...?* il. Thomson, Andrew. [IL 8-12] 107 pages Penguin Workshop 001. **14.94 S**

Hudak, Heather C.

469441 Epic Migrations By Water. Read about extraordinary animal migrations by water, from tremendous upstream journeys by Pacific salmon to the extreme long-distance migration of the humpback whale. *Epic Animal Journeys*. il. [IL 9-12] 32 pages Crabtree 591. **L (AR) 16.27 S**

Humphrey, Natalie

471234 20 Fun Facts About Rattlesnakes. An introduction to rattlesnakes, including habitats, behaviors, adaptations, conservation, and more. *Fun Fact File. North American Animals*. il. [IL 7-10] 32 pages Gareth Stevens 597. **16.84 S**

Hurt, Avery Elizabeth

474492 Regeneration: Regrowing Heads, Tails, And Legs. An introduction to regeneration even though scientists aren't exactly sure how it works, including what animals possess this super power, how they use it, what the limits are to this nifty survival trick, and more. *Animal Defense!* il. [IL 8-12] 48 pages Enslow 571. (AR) **17.68 S**

Hyde, Natalie

476465 Epic Migrations By Air. Read about extraordinary animal migrations by air, from the incredible migration of the godwit between Alaska and New Zealand to the long-lasting journey of the monarch butterfly. *Epic Animal Journeys*. il. [IL 9-12] 32 pages Crabtree 591. **L (AR) 16.27 S**

Johnson, Katherine G.

495870 Reaching For The Moon: The Autobiography Of NASA Mathematician Katherine Johnson. The inspiring autobiography of NASA mathematician Katherine Johnson, who helped launch Apollo 11. il. [IL 10-14] 248 pages Atheneum 510-A. **B,K+,L+,M (AR/RC) 22.08 S,T,M**

Johnson, Rebecca L.

495349 Nature's Ninja: Animals With Spectacular Skills. An introduction to animals that have natural ninja-like talents, including geckos, sea urchins, bombardier beetles, and more. il. [IL 9-14] 48 pages Millbrook 591. **B,L (AR) 31.88 S**

Johnson, Robin (Robin R.)

493399 Environmental Scientists In Action. An introduction to environmental scientists, including how they look at their natural surroundings, how human activities today are affecting the health of the environment, what that means for the future, what can be done about it, and more. *Scientists In Action*. il. [IL 10-13] 32 pages Crabtree 577. **16.27 S**

Johnson, Steven

494260 How We Got To Now: Six Innovations That Made The Modern World. This adaptation of an adult book and PBS series explores the fascinating and interconnected stories of innovations-like clean drinking water and electricity-that changed the way people live. il. [IL 10-14] 152 pages Viking 303. **B,K,Q (AR/RC) 23.48 S,T,E**

Kaner, Etta

506585 Beware The Burmese Pythons: And Other Invasive Animal Species. Introduction to invasive animal species that explores how they got into new ecosystems and the damage they've caused. il. Nicholls, Phil (Phil D.) [IL 8-12] 48 pages Kids Can 597. **K 23.48 S**

Kay, Edward

509313 Stinky Science: Why The Smelliest Smells Smell So Smelly. Why things stink, how our sense of smell works, and a complete tour of everything olfactory. il. Shiell, Mike. [IL 8-11] 44 pages Kids Can 612. **K,Q 22.08 S**

Keating, Jess

510551 Big As A Giant Snail: Discovering The World's Most Gigantic Animals. A collection of interesting facts about some of the biggest animals on the planet. *World Of Weird Animals*. il. DeGrand, David. [IL 7-10] 44 pages Knopf 591. **B,L 22.08 S**

Kelly, Scott

512787 Ready For Launch: An Astronaut's Lessons For Success On Earth. Using ten life-changing moments from his path to space, Astronaut Scott Kelly shares his advice for mastering fear and failure, and turning our daily struggles into rocket fuel for success. il. [IL 12-16] 117 pages Crown 629-B. **K,L 22.08 S**



Kenney, Karen Latchana

513974 Breakthroughs In The Search For Extraterrestrial Life. Through fascinating, up-to-date information about the latest technology and space exploration, readers will learn about the search for life in space. *Alternator Books. Space Exploration.* il. [IL 8-12] 32 pages Lerner 576. **B 29.08 S**

Kerry, Isaac

515439 Science On Viking Expeditions. Vikings were fierce warriors who sailed the seas looking for new lands. They were expert sailors and shipbuilders. Find out the science behind their explorations, shipbuilding, and daily life. Discover how modern technology is being used to discover more about the lives of Vikings and their expeditions. *Science Of History.* il. [IL 8-11] 48 pages Capstone 948. **25.16 S,T,E**

Kiffel-Alcheh, Jamie

517490 Nerdlet: Tech. Big nerdiness comes in a small package with this little book where readers experience tech of all kinds from Mars rovers and space suits to retro arcade games. *NERDlet National Geographic Kids.* il. [IL 8-12] 216 pages National Geographic 600. **15.79 T**

Kim, Carol

517922 Climate Change On The Brink. Earth's climate is changing. Heat waves and droughts are more common and more severe. Powerful hurricanes cause widespread damage. And polar regions are warming fast, causing even more problems around the world. Why is this happening? In this nonfiction graphic novel, Max Axiom and the Society of Super Scientists go on an exciting, fact-filled adventure that will help young readers learn about the causes and effects of climate change. In graphic novel format. *Max Axiom And The Society Of Super Scientists.* il. Doescher, Katharine. [IL 7-11] 32 pages Capstone 551. **L (AR) 24.83 S**

Knutson, Julie

527498 Do The Work!: Clean Water And Sanitation. Readers will learn about the sixth UN Sustainable Development Goal and what it takes to commit to the availability of clean water and sanitation for all by 2030. *Committing To The UN's Sustainable Development Goals.* il. [IL 9-12] 32 pages Cherry Lake 628. **L (AR) 24.16 S**

527461 Do The Work! Affordable And Clean Energy. Readers will learn about the seventh UN Sustainable Development Goal and what it takes to commit to ensuring access to affordable and clean energy by 2030. *Committing To The UN's Sustainable Development Goals.* il. [IL 9-12] 32 pages Cherry Lake 333. **24.16 S**

527516 Do The Work! Climate Action, Life Below Water, And Life On Land. Readers will learn about the thirteenth, fourteenth, and fifteenth UN Sustainable Development Goals and what it takes to commit to combating climate change and conserving our oceans and land by 2030. *Committing To The UN's Sustainable Development Goals.* il. [IL 9-12] 32 pages Cherry Lake 333. **24.16 S**

527571 Do The Work! Sustainable Cities And Communities Meets Responsible Consumption And Production. Readers will learn about the eleventh and twelfth UN Sustainable Development Goals and what it takes to commit to creating sustainable communities and consumption by 2030. *Committing To The UN's Sustainable Development Goals.* il. [IL 9-12] 32 pages Cherry Lake 307. **24.16 S**

Korte, Steven

530193 What Do We Know About Bigfoot? Dive into the facts behind the most well-known footage of the cryptid, the Patterson-Gimlin film, and learn about actual scientific studies conducted to learn whether or not Bigfoot actually exists. *What Do We Know About...?* il. Gutierrez, Manuel. [IL 8-12] 107 pages Penguin Workshop 001. **14.94 S**

Krantz, Laura

530790 Search For Sasquatch. Inspired by her popular Wild Thing podcast, journalist Laura Krantz incorporates the scientific method

and her journalistic skills to determine if Bigfoot is real. *Wild Thing Book.* il. [IL 8-12] 152 pages Abrams 001. **K 23.48 S**

Kurlansky, Mark

535049 Bugs In Danger: Our Vanishing Bees, Butterflies, And Beetles. A fascinating look at the rise and decline in populations of beloved bugs. il. Liu, Jia. [IL 10-14] 164 pages Bloomsbury 595. **B,K,L,M (AR) 23.48 S**

Lambert, David

280270 Dinosaur. This essential guide to dinosaurs, from tiny, chicken-sized Compsognathus to the mighty, long-necked Brachiosaurus, unearths fascinating facts about these prehistoric creatures. *DK Eyewitness Books.* il. [IL 8-12] 72 pages DK Publishing 567. **16.69 S**

Lang, Karen

541208 Become An App Inventor: The Official Guide From MIT App Inventor: Your Guide To Designing, Building, And Sharing Apps. With the help of this companion guide chock-full of colorful graphics and easy-to-follow instructions, readers can learn how to create six different apps, including a working piano, a maze game, and even their own chat app to communicate with friends--then use what they've learned to build apps of their own imagination. Also learn about young inventors already using their own apps to make a difference in their communities. il. [IL 12-16] 224 pages MIT Kids Press 004. **18.58 T,E**

Langeland, Deirdre

541598 Meltdown: Earthquake, Tsunami, And Nuclear Disaster In Fukushima. The harrowing story of the deadly earthquake, tsunami, and nuclear meltdown that caused the 2011 Fukushima power plant disaster. il. [IL 10-14] 194 pages Roaring Brook 363. **B,C,K+,L,M+,W (AR) 23.48 S**

Leavitt, Amie Jane

555657 Dream Jobs If You Like Robots. Readers will discover the possibilities of careers working with robots. *Dream Jobs For Future You.* il. [IL 8-11] 32 pages Capstone 629. **23.85 T**

Lendler, Ian

559808 First Dinosaur: How Science Solved The Greatest Mystery On Earth. Tells the story of how scientists found out about the existence of dinosaurs, the chain of fossil discoveries, and advances in science that led to that knowledge. il. Butzer, C. M. [IL 10-14] 220 pages McElderry 567. **C,K+,L 26.98 S**

Levy, Janey

567562 Hippos Bite! Hippos are perhaps the most surprising animals in this series. These enormous animals are surprisingly speedy and aggressive and equipped with an immensely powerful bite. Young readers will be enthralled with what they discover about this popular animal. *Deadly Bites.* il. [IL 7-10] 24 pages Gareth Stevens 599. **B 15.87 S**

567564 Human Genome Project. Explains how scientists were able to map human genes and the science behind the project as well as the scientific and medical possibilities that arose from it. *History Just Before You Were Born.* il. [IL 9-12] 32 pages Gareth Stevens 611. **B,L (AR/RC) 16.84 S**

567563 Hyenas Bite! Hyenas have a bad reputation. But hyenas are actually Africa's most successful predators. And they have a powerful bite! Young readers will discover fascinating facts about these intriguing, intelligent animals. *Deadly Bites.* il. [IL 7-10] 24 pages Gareth Stevens 599. **B 15.87 S**

567618 Piranhas Bite! Piranhas are small fish with sharp teeth and a ferocious reputation. But do they really warrant their reputation? This absorbing volume dives into the world of piranhas to discover the truth about these South American freshwater fish. *Deadly Bites.* il. [IL 7-10] 24 pages Gareth Stevens 597. **B 15.87 S**

Lindeen, Mary

574380 Humanoid Robots. Discover how this cutting-edge technology was first created, and explore what kind of functions humanoid robots will perform in the future. *Cutting-Edge Robotics.* il. [IL 8-12] 32 pages Lerner 629. **Q (AR/RC) 29.08 T,E**

London, D. C.

584972 Top Secret: Zoolu. The blundering, would-be evil villain



Lulu Zielinski, aka ZooLu, attempts to create an evil plant-animal hybrid but fails miserably due to her lack of knowledge about basic plant biology. In graphic novel format. *STEM Files*. il. [IL 9-14] 32 pages Cherry Lake 581. **24.16 S**

Loomis, Ilma

586562 Eclipse Chaser: Science In The Moon's Shadow. Follows the intensive study of the August 2017 solar eclipse by astronomer Shadia Habbal after years of planning. *Scientists In The Field*. il. Cowan, Amanda. [IL 10-14] 79 pages Clarion 523. **B,C (AR) 22.78 S,T**

Macaulay, David

592041 Crossing On Time: Steam Engines, Fast Ships, And A Journey To The New World. An extended picture book about the history and construction of the steamship SS United States, its designer William Francis Gibbs, and author/illustrator David Macaulay's personal story of immigration to America on board the SS United States. il. [IL 10-14] 127 pages Roaring Brook 623. **L+ (AR/RC) 6.50 T,E**

MacCarald, Clara

592112 Wind Turbine Technicians On The Job. Highlights the schooling, job training, and life on the job for wind turbine technicians. *Exploring Trade Jobs*. il. [IL 8-12] 32 pages Child's World 621. **L (AR) 24.16 T,E**

MacQuitty, Miranda

685410 Ocean. Meet jet-propelled octopuses and hermit crabs, look closely at seaweed, find out how waves form, and discover the submarines and submersions that have explored shipwrecks and the deepest trenches. Learn about prehistoric oceans and find out how people are trying to protect the oceans of the future. *DK Eyewitness Books*. il. [IL 8-12] 72 pages DK Publishing 551. **16.69 S**

Maloney, Brenna

598569 Buzzkill: A Wild Wander Through The Weird And Threatened World Of Bugs. This compelling narrative tackles both the wacky and weird, as well as threats to insects and their habitats, their possible extinction, and ways that everyday people can prevent their decline. il. [IL 10-14] 378 pages Holt 595. **K+,M 23.48 S**

Markle, Sandra

603837 Follow Those Zebras!: Solving A Migration Mystery. Every year in Namibia, about two thousand zebras suddenly disappear from their grazing area along the Chobe River. Months later, the herds return. Where do they go? And why? Thanks to satellite-tracking collars, scientists were able to solve the mystery and reveal the process they used to study the zebras. *Sandra Markle's Science Discoveries*. il. [IL 9-12] 40 pages Millbrook 599. **B,K,L (AR) 29.35 S**

603733 Great Bear Rescue: Saving The Gobi Bears. This fascinating look at Gobi bears-the rarest bears on the planet-includes the story of why so few of these bears remain and what scientists are doing to help this critically endangered species. *Sandra Markle's Science Discoveries*. il. [IL 9-12] 40 pages Millbrook 333. **B,K+ (AR) 26.28 S**

603741 Great Penguin Rescue: Saving The African Penguins. The African penguin population is critically low, due to various factors including climate change. Scientists and volunteers with a South African organization are helping to rescue these endangered birds by rearing abandoned chicks. *Sandra Markle's Science Discoveries*. il. [IL 9-12] 48 pages Millbrook 598. **B+,C,K+,L,Q (AR/RC) 31.88 S**

603889 Jumping Spiders: An Augmented Reality Experience. A jumping spider soars and sinks its fangs into prey. The spider injects venom, paralyzing its target. Learn about the jumping spider life cycle with incredible augmented reality experiences and lots of creepy details. *Creepy Crawlers In Action: Augmented Reality*. il. [IL 8-11] 32 pages Lerner 595. **L (AR) 24.88 S**

603913 Locusts: An Augmented Reality Experience. Millions of locusts swarm a farmer's field and feast. When nothing green is left, the insects leave. Learn about the lives of locusts and what drives their incredible hunger with amazing augmented reality experiences. *Creepy Crawlers In Action: Augmented Reality*. il. [IL 8-12] 32 pages Lerner 595. **L (AR) 24.88 S**

603956 Praying Mantises: An Augmented Reality Experience. A praying mantis waits for a prey insect to appear. Then, like lightning,

the mantis strikes! Learn how praying mantises hunt, reproduce, and protect themselves with thrilling details and awesome augmented reality experiences. *Creepy Crawlers In Action: Augmented Reality*. il. [IL 8-12] 32 pages Lerner 595. **B,L (AR) 24.88 S**

603844 Secrets Of The Lost City: A Scientific Adventure In The Honduran Rain Forest. Join a real-life, scientific adventure to a remote Honduran rainforest where an ancient city once stood. Learn how scientists located the ruins likely unvisited by humans for 500 years and documented animals--even some believed to be endangered or extinct--flourishing free from human influence. *Sandra Markle's Science Discoveries*. il. [IL 9-12] 48 pages Millbrook 972. **K 26.28 S**

603954 Woolly Monkey Mysteries: The Quest To Save A Rain Forest Species. Learn about how scientists use different methods of observation and incorporate technology to learn how to save this keystone species and protect the rain forests. Sandra Markle's Science Discoveries. il. [IL 8-12] 40 pages Millbrook 599. **B,K+,L (AR/RC) 31.88 S**

Mason, Adrienne

611463 Whales To The Rescue: How Whales Help Engineer The Planet. Meet the ecosystem engineers who are improving our planet's health! il. Smith, Kim. [IL 8-12] 39 pages Kids Can 599. **22.78 S**

Mason, Jenny

611168 Space Race. Explains the space race between the United States and the Soviet Union, including how the technology developed, who developed it, tragedies and triumphs, the advances of space travel today, the possibility of colonization in outer space, and more. *Great Race: Fight To The Finish*. il. [IL 9-12] 48 pages Gareth Stevens 629. **19.33 S,T**

611435 UFOs. Stories of famous UFO reports, the most common causes of sightings, and a summary of the findings from the U.S. government's special report on UFOs. *True Book. Space Exploration*. il. [IL 8-10] 48 pages Children's 001. **15.39 S**

Maurer, Richard

614235 Destination Moon: The Remarkable And Improbable Voyage Of Apollo 11. A new look at the events and people that made the Apollo program so remarkable. il. [IL 10-14] 388 pages Roaring Brook 629. **B+,C,K+,L (RC) 23.48 S,T,E**

Maurer, Tracy Nelson

614224 Continental GT By Bentley. Learn all about the Continental GT by Bentley. Discover fascinating facts and specs, from high-performance parts to sleek designs and unique details. *Luxury Rides*. il. [IL 8-11] 32 pages Crabtree 629. **16.09 T**

614246 Escalade By Cadillac. Learn all about the Escalade by Cadillac. Discover fascinating facts and specs, from high-performance parts to sleek designs and unique details. *Luxury Rides*. il. [IL 8-11] 32 pages Crabtree 629. **16.09 T**

614337 Phantom By Rolls-Royce. Learn all about the Phantom By Rolls Royce. Discover fascinating facts and specs, from high-performance parts to sleek designs and unique details. *Luxury Rides*. il. [IL 8-11] 32 pages Crabtree 629. **16.09 T**

614339 R8 By Audi. Learn all about the R8 by Audi. Discover fascinating facts and specs, from high-performance parts to sleek designs and unique details. *Luxury Rides*. il. [IL 8-11] 32 pages Crabtree 629. **16.09 T**

614341 Range Rover By Land Rover. Learn all about the Range Rover by Land Rover. Discover fascinating facts and specs, from high-performance parts to sleek designs and unique details. *Luxury Rides*. il. [IL 8-11] 32 pages Crabtree 629. **16.09 T**

614329 S-Class By Mercedes-Benz. Learn all about the S-Class by Mercedes-Benz. Discover fascinating facts and specs, from high-performance parts to sleek designs and unique details. *Luxury Rides*. il. [IL 8-11] 32 pages Crabtree 629. **16.09 T**

McCarthy, Cecilia Pinto

184402 Engineering The NYC Subway System. An introduction to the NYC Subway System, including how designers drew up plans for the subway, how workers built the underground system in one of the world's busiest cities, how commuters still rely on its hundreds of trains today, and more. *Building By Design*. il. [IL 9-12] 48 pages Abdo 625. **Q (AR) 25.56 T,E**



McCully, Emily Arnold

622413 Dreaming In Code: Ada Byron Lovelace, Computer Pioneer. A biography that reveals how the daughter of Lord Byron, Britain's most infamous romantic poet, became the world's first computer programmer. il. [IL 12-16] 164 pages Candlewick 510-B. **B,C+,K,L+,M,Q** (AR/RC) **23.48 T,E**

McGhee, Karen

625272 World's Most Deadly Animals. All over the world, there are animals that use their venom, claws, jaws, and more to take down prey. From ambush killers like crocodiles to lions who stalk and pounce to kill their prey, up-close photographs of deadly animals accompany detailed facts about how dangerous each animal is as well as their size, body adaptations, and habitat. *World's Most.* il. [IL 8-12] 32 pages Gareth Stevens 591. **B 16.84 S**

625286 World's Most Endangered Animals. The many reasons animals are endangered have so much to do with people: poaching, overfishing, collecting, pet trade, traditional medicine, habitat loss, and more. *World's Most.* il. [IL 8-12] 32 pages Gareth Stevens 591. **B 16.84 S**

625258 World's Most Extreme Animals. From the exceptionally large molars of the panda bear to a crab that can punch at a high speed, animal adaptations can be spectacular--and extreme! Dozens of extreme animals from all over the world are described in detail with accompanying full-color photographs. *World's Most.* il. [IL 8-12] 32 pages Gareth Stevens 590. **B,L 17.54 S**

McHale, Brenda

627159 Drier. Provides a simple introduction to droughts and the consequences: fires, harm to people and animals, and more. *World In Danger.* il. [IL 7-10] 24 pages PowerKids 551. **L 15.92 S**

627192 Hotter. Provides a simple introduction to global warming and its consequences: wildfires, the warming of Earth's oceans, the melting of glacial ice, and more. *World In Danger.* il. [IL 7-10] 24 pages PowerKids 551. **L 15.92 S**

627208 Wetter. Provides a simple introduction to flooding and its consequences: the seriousness of increased precipitation around the world and the way it can harm people, animals, the environment, and more. *World In Danger.* il. [IL 7-10] 24 pages PowerKids 551. **L 15.27 S**

627216 Windier. Provides a simple introduction to high winds and their consequences: how they can be harmful to crops, people's homes, animals, the environment, and more. *World In Danger.* il. [IL 7-10] 24 pages PowerKids 551. **L 15.92 S**

Messner, Kate

639807 Insect Superpowers: 18 Real Bugs That Smash, Zap, Hypnotize, Sting, And Devour! Profiles of the animals and their powers, mixed with spreads that compare, contrast, and pit the insects against each other in an action graphic novel format. il. Nickell, Jillian. [IL 8-12] 83 pages Chronicle 595. **B+,C,K,L 22.08 S**

639750 Plagues And Pandemics. With a mix of sidebars, illustrations, photos, and graphic panels, this book uncovers the hidden truths about history's pandemics, from the Black Death to COVID-19. *History Smashers.* il. Koch, Falynn. [IL 8-12] 231 pages Random 614. (AR) **15.39 S**

639812 Tracking Pythons: The Quest To Catch An Invasive Predator And Save An Ecosystem. Burmese pythons, native to Southeast Asia, started showing up in Florida in 1979. Pet pythons that escaped or were released by their owners started breeding in the wild, and now a group of scientists is tracking Burmese pythons to find ways to stop their spread. il. [IL 9-14] 64 pages Millbrook 597. **B,K+,L,M** (AR) **27.68 S**

Mikoley, Kate

642772 How Do Wind Turbines Work? This engaging guide gives a look at the inner workings of these powerful machines and explains how wind turbines are capable of producing clean, renewable energy. *Tell Me How It Works.* il. [IL 7-10] 24 pages PowerKids 621. **15.92 T**

Montgomery, Heather L.

652329 Little Monsters Of The Ocean: Metamorphosis Under The Waves. Metamorphosis can be found throughout nature beyond just caterpillars and tadpoles. This fresh spin on the highly curricular

topic explores some of the ocean's most fascinating creatures while explaining how and why these creatures transform. il. [IL 9-14] 56 pages Millbrook 591. **K** (AR) **31.88 S**

Montgomery, Sy

652314 Condor Comeback. The story of California condors and the scientists who have fought against their extinction. *Scientists In The Field.* il. Strombeck, Tianne. [IL 10-14] 89 pages Clarion 598. **B+,C+,K+,L,W+** (AR) **22.78 S**

652331 Magnificent Migration: On Safari With Africa's Last Great Herds. Takes readers on a staggering, emotional journey alongside the greatest land migration on the planet earth--that of the wildebeest across the Serengeti. il. Wood, Roger. [IL 10-13] 152 pages Clarion 591. **H,K+,M** (AR) **26.98 S**

Mooney, Carla

655080 Telescopes. An introduction to telescopes, including how they were developed, how they have helped scientists discover new planets and galaxies, and more. *Engineering Wonders.* il. [IL 8-11] 48 pages Rourke 522. **6.50 T**

Morancy, Joalda

658057 Aliens: Join The Scientists Searching Space For Extraterrestrial Life. Takes readers on a tour of the solar system (and beyond), onboard new NASA missions searching for the most likely alien hiding places--from icy moons of Jupiter to the clouds of Venus. il. Grimes, Amy. [IL 8-10] 80 pages Neon Squid 500. **K 22.08 T**

Morey, Allan

450919 12 Biggest Breakthroughs In Space Technology. Takes a look at the twelve biggest breakthroughs in space technology from the rockets and satellites to the first man on the moon, space shuttles and space stations, and more. *Technology Breakthroughs II.* il. [IL 8-12] 32 pages 12-Story 620. **24.86 T,E**

Morlock, Theresa

659211 HMS Beagle Voyage And The Galapagos Islands. Presents a captivating and enlightening account of Charles Darwin's voyage aboard the HMS Beagle, the Galapagos Islands, and more. *Real-Life Scientific Adventures.* il. [IL 9-11] 32 pages PowerKids 508. (AR) **16.90 S**

Mosco, Rosemary

661236 Solar System: Our Place In Space. Get up close and personal with Earth's nearest neighbors--Venus with its acid rainstorms, Saturn and its rings of ice, and the heart of it all, the Sun. Join Sara, Jill, and their space-faring pets on a quest to learn more about the wonders of our Solar System--and beyond! In graphic novel format. *Science Comics.* il. Chad, Jon. [IL 9-13] 116 pages First Second 523. **L** (AR/RC) **18.58 S**

Moss, Marissa

661684 Woman Who Split The Atom: Lise Meitner. As a female Jewish physicist in Berlin during the early 20th century, Lise Meitner had to fight for an education, a job, and equal treatment in her field. She made groundbreaking strides in the study of radiation, but when Hitler came to power in Germany, she suddenly had to face not only sexism, but also life-threatening anti-Semitism. After she discovered the splitting of the atom, a male colleague won the Nobel Prize for her work and the race to build the atom bomb began, much to her horror. il. [IL 10-14] 258 pages Abrams 539-B. **B+,C,K+,L,M,W 23.48 S**

Nargi, Lela

667436 Book Of Bees: Inside The Hives And Lives Of Honeybees, Bumblebees, Cuckoo Bees, And Other Busy Buzzers. The ultimate guide for kids to explore the lives of these stunning insects and learn about their critical role in fostering a sustainable, healthy Earth. il. [IL 8-12] 128 pages Black Dog & Leventhal 595. **23.48 S**

667438 Dinosaurs: All The Latest Facts From The Field. Tear through tons of facts, figures, timelines, and the most up-to-date intel straight from the field in this book all about dinosaurs. *Absolute Expert National Geographic Kids.* il. [IL 8-12] 112 pages National Geographic 567. **B 19.98 S**

667439 Volcanoes: All The Latest Facts From The Field. Introduces volcanoes, describing how they form, why they erupt, and some of the most explosive eruptions throughout history. *Absolute*



Expert National Geographic Kids. il. [IL 8-12] 112 pages National Geographic 551. **B+ 21.38 S**

Newland, Sonya

675468 Epic Migrations By Land. Read about extraordinary animal migrations by land, from the millions of red crabs on Christmas Island to the grueling journey of the pronghorn in North America. *Epic Animal Journeys.* il. [IL 9-12] 32 pages Crabtree 591. **L 16.27 S**

Newman, Patricia

674816 Eavesdropping On Elephants: How Listening Helps Conservation. Can understanding how forest elephants communicate help scientists find ways to protect them? Come behind the scenes of Cornell University's Elephant Listening Project to see what's being done to keep these majestic animals safe. il. [IL 9-14] 56 pages Millbrook 599. **B,K,L,Q (AR) 32.81 S**

674922 Planet Ocean: Why We All Need A Healthy Ocean. Travel beneath the waves and visit three distinct parts of the ocean to examine climate change, pollution, and sustainability. Find out what you can do to protect the health of the ocean! il. Crawley, Annie. [IL 9-14] 64 pages Millbrook 551. **B,K,L (AR) 26.28 S**

Nichols, Hedreich

675895 Excellence In STEM. Students will learn about some of the inventions and discoveries Black men and women have made in the world of STEM. From Dr. Marie Maynard Daly to Dr. Tai-Danae Bradley, some of the many ways Black people have contributed to our country's science and technology are explored. *Racial Justice In America: Excellence And Achievement.* il. [IL 10-12] 32 pages Cherry Lake 507. **L (AR) 24.16 S,T**

Nickel, Scott

676335 World's Grossest Animals. Explore the disgusting animal kingdom, from horrible hagfish to vulgar vultures. Gross photos and a disgusting diagram give readers a close-up look at nature's most sickening creatures. *World's Grossest.* il. [IL 6-8] 24 pages Lerner 591. **L 24.88 S**

676338 World's Grossest Creepy Crawlers. Make your skin crawl with these disgusting creatures, from leeches to giant centipedes. Readers will come away with lots of knowledge about creepy critters, and they'll love grossing out their friends with facts and photos! *World's Grossest.* il. [IL 6-8] 24 pages Lerner 595. **L 24.88 S**

676348 World's Grossest Plants. Readers discover a jungle of repulsive plants in this gross guide! Learn about a flower that smells like rotting meat, a plant that swallows bugs, and much more. *World's Grossest.* il. [IL 6-8] 24 pages Lerner 581. **L 24.88 S**

Niver, Heather Moore

677366 History Of The Scientific Method. Tackles the history and evolution of the scientific method, a tool commonly used by scientists as a formal model for investigation, and more. *Think Like A Scientist.* il. [IL 8-12] 32 pages Britannica Ed Pub 507. **18.52 S**

Noyes, Deborah

683926 Lady Icarus: Balloonomania And The Brief, Bold Life Of Sophie Blanchard. Before Amelia Earhart, there was Sophie Blanchard, the first woman to earn her living in the air. As the first woman to be a professional aeronaut, Blanchard made nearly 70 spectacular flights, survived a revolution, and became a court favorite of the emperor Napoleon, before a terrified crowd of thousands looked on as she met her end in a tragic blaze of glory over the streets of Paris in 1819. il. [IL 8-12] 160 pages Random 629-B. **C,W 22.08 S**

683972 Tooth & Claw: The Dinosaur Wars. The tale of the epic rivalry between two foundational paleontologists to find bigger and better bones in the American West. il. [IL 10-14] 151 pages Viking 560-C. **B,C,K,L,M (AR/RC) 22.78 S**

Oachs, Emily Rose

685203 Light Bulb. Starting from the light bulb's early development all the way up to its modern uses, this informative title will enlighten anyone who wants to know about the invention that illuminates the world. *Blastoff! Discovery. Inventions That Changed The World.* il. [IL 8-13] 32 pages Bellwether Media 621. **L (AR) 23.46 S,T**

O'Brien, Keith

684932 Fly Girls: How Five Daring Women Defied All Odds And Made Aviation History. The untold story about pioneering women

who fought to compete against men in the high-stakes national air races of the 1920s and 1930s-and won. il. [IL 10-14] 299 pages Clarion 629-C. **L (AR/RC) 21.38 T,E**

Osborne, Mary Pope

693588 Snow Leopards And Other Wild Cats: A Nonfiction Companion To Magic Tree House #36: Sunlight On The Snow Leopard. A nonfiction book about snow leopards and other wild cats.

Magic Tree House Fact Tracker. il. Mones, Isidre. [IL 7-10] 123 pages Random 599. **14.94 S**

Ottaviani, Jim

694151 Astronauts: Women On The Final Frontier. The U.S. may have put the first man on the moon, but it was the Soviet space program that made Valentina Tereshkova the first woman in space. It took years to catch up, but soon NASA's first female astronauts were racing past milestones of their own. They discovered that NASA had plenty to learn about how to make space travel possible for everyone. In graphic novel format. il. Wicks, Maris. [IL 9-13] 157 pages First Second 629-C. **C,K+L,M,W+ (AR) 23.48 S,T,E**

Oxlaide, Chris

694923 Air And Water. From a hands-on approach to water surface tension to understanding air pressure, young readers will discover how both air and water work. *Simple Science Experiments.* il. [IL 9-11] 32 pages Enslow 507. **16.86 S**

694935 Inside Battleships. With dramatic scenes, cutaway diagrams, and personal stories, this engaging book presents the history of ships used for war, from ancient ships powered by oars to the massive ships and incredible technology used today. *Inside Military Machines.* il. [IL 8-12] 32 pages Hungry Tomato 623. (AR) **28.15 T**

694944 Inside Tanks And Heavy Artillery. From the battering ram to infrared technology on modern artillery, photos and photo-realistic illustrations along with informative text guides readers through the history and development of tanks and artillery. *Inside Military Machines.* il. [IL 8-12] 32 pages Hungry Tomato 623. (AR) **28.15 T**

694943 Light And Sound. Light and sound both travel in waves, but sound waves travel significantly slower than light. Young scientists will test out how light can bend and how even invisible sounds can make things move, helping them understand how even the most complex theories work. *Simple Science Experiments.* il. [IL 9-11] 32 pages Enslow 534. **B 16.86 S**

694941 Matter And Materials. Both matter and materials are important scientific building blocks, and understanding what they are exactly can be a difficult concept to grasp. Young readers will learn about different states of matter and the particles that make up everything in the world around them. *Simple Science Experiments.* il. [IL 9-11] 32 pages Enslow 530. **16.86 S**

Page, Nathan

695313 Who Was The First Man On The Moon?: Neil Armstrong. From his childhood experiments to his first encounters with flight, explore the steps Armstrong took in order to become the first person to land on the moon. A story of calculated risk, perseverance, and earth-defying reward. In graphic novel format. *Who HQ Graphic Novel.* il. Shannon, Drew. [IL 8-12] 63 pages Penguin Workshop 629-B. (AR) **15.39 S,T**

Patent, Dorothy Hinshaw

703360 Lizard Scientists: Studying Evolution In Action. Discover how lizards rapidly adapt to life in the Caribbean islands, allowing scientists to study Charles Darwin's theory of evolution by natural selection in real time. *Scientists In The Field.* il. [IL 10-12] 80 pages Clarion 597. **22.78 S**

703344 Saving The Tasmanian Devil: How Science Is Helping The World's Largest Marsupial Carnivore Survive. Tasmanian devils are dying at an alarming rate from a type of tumor that appears to be contagious. What scientists are learning while researching the Tasmanian devil has potential to affect all animals, and even humans, as they learn more about how to prevent and hopefully eradicate certain genetic diseases. *Scientists In The Field.* il. [IL 10-14] 79 pages Clarion 599. **C,K+M (AR/RC) 22.78 S**

Pearson, Marie

706367 Agility Dogs. An introduction to the sport of dog agility, including the history, conditioning, training, competing, and more.



Canine Athletes. il. [IL 8-12] 32 pages SportsZone Books 636. **L (AR) 23.46 S**

Perez Valice, Kim

901737 Orca Scientists. Follow the scientists working in the Pacific Northwest to learn about the orca whale population there, as they race to save these remarkable mammals from extinction. Scientists In The Field. il. Comins, Andy. [IL 10-12] 79 pages Clarion 599. **B,K,L,Q (AR) 6.50 S**

Polinsky, Paige V.

724012 Incubators: A Graphic History. When a baby is born early, an incubator helps the child keep growing. At first, some medical experts were skeptical about these special cribs. But trailblazing doctors' "incubator exhibits" showed people how incubators save lives. In graphic novel format. *Medical Breakthroughs*. il. Rural, Josep. [IL 8-12] 32 pages Graphic Universe 618. **24.88 T**

724067 Vaccines: A Graphic History. Vaccines safely introduce the body to diseases, which helps people fight them later on. Early vaccinations took place centuries ago. Doctors across nations took up the fight, developing vaccines for diseases from smallpox to COVID-19. In graphic novel format. *Medical Breakthroughs*. il. Ginevra, Dante. [IL 8-12] 32 pages Graphic Universe 614. **24.88 S**

Potenza, Alessandra

727716 All About Wildfires: Discovering How They Spark, Burn, And Spread. This book shows readers the awesome power of wildfires. *True Book. Natural Disaster!* il. [IL 8-10] 48 pages Children's 634. **15.39 S**

Pruitt, Sheela

731418 Girl Code Revolution: Profiles And Projects To Inspire Coders. Part how-to, part profile, and all about getting girls coding. Step-by-step instructions for projects girls actually want to code and profiles of aspirational female coders in the field combine to lead the girl code revolution. il. [IL 8-11] 32 pages Lerner 005. **B,K,L 24.18 T**

Pringle, Laurence

733484 Dolphins! A comprehensive introduction to dolphin species from all over the world. *Strange And Wonderful*. il. Henderson, Meryl. [IL 8-11] 32 pages Boyds Mills 599. **B,L 22.06 S**

Prottzman, Kiki

734134 Crayola Art Of Coding: A Celebration Of Creative Mindsets. Explores the basics of coding, such as sequencing and debugging, using unplugged activities that empower readers to think like coders. il. [IL 8-12] 32 pages Lerner 005. **L 24.18 T**

Proudfit, Benjamin

734133 What Do Archaeologists Do? Archaeology is the scientific study of human activity through material remains such as artifacts. Archaeologists are the scientists who conduct this study. Archaeologists help us understand human history and our place in the world. But what exactly does a career in archaeology entail? Readers will learn the answer to this question. They'll read about prominent archaeologists, discover digging and extraction techniques, and learn about how artifacts are analyzed. *Careers In Science*. il. [IL 8-12] 32 pages PowerKids 930. **16.91 S**

734132 What Do Astronomers Do? Astronomy is a branch of science that's concerned with space, planets, stars, and the universe. Astronomers are scientists who try to understand the workings of the universe by studying celestial bodies and whatever else lies beyond Earth's atmosphere. How exactly do they do this? Readers will discover how astronomers conduct research, collect data, and analyze their findings--a perfect read for any young person who has stared up at the sky and wondered what stars are made of. il. [IL 8-12] 32 pages PowerKids 520. **16.91 S**

734143 What Do Geologists Do? What is Earth made of? What are the processes that impact Earth's materials? How does studying those materials reveal the planet's past and indicate what's in store for its future? Readers will learn about the scientific discipline of geology, the study of Earth's materials, and the important work that geologists do. Examples of famous geologists and significant discoveries interweave history with curricular science studies. *Careers In Science*. il. [IL 8-12] 32 pages PowerKids 551. **16.91 S**

734148 What Do Meteorologists Do? Meteorology deals with the scientific study of Earth's atmosphere, atmospheric phenomena, and weather. Meteorologists are the scientists who conduct these studies. Meteorologists use their research to understand, interpret, observe, and forecast weather conditions. Readers will learn about the branch of meteorology, its practical applications, and what a career in meteorology involves. *Careers In Science*. il. [IL 8-12] 32 pages PowerKids 551. **16.91 S**

734152 What Do Paleontologists Do? Paleontology is the scientific study of life in our planet's geologic past. Paleontologists study and analyze plant and animal fossils. Readers will learn about what paleontologists do. They'll research pioneers of the field, review significant discoveries, and consider how paleontological work shapes our understanding of Earth's history and our place in it. *Careers In Science*. il. [IL 8-12] 32 pages PowerKids 560. **16.91 S**

734154 What Do Zoologists Do? Zoology is the scientific study of the animal kingdom. Zoologists spend their time studying animals, observing their behaviors, and analyzing that research. Leading zoologists such as Jane Goodall have changed the way we view animal species. Readers will consider what it means to be a zoologist and how zoologists' work influences our understanding of life on Earth. *Careers In Science*. il. [IL 8-12] 32 pages PowerKids 590. **16.91 S**

Rajczak, Michael

738188 How An Aircraft Carrier Is Built. Readers will explore the creation of these mobile ocean giants. *Engineering Our World*. il. [IL 7-10] 24 pages Gareth Stevens 623. **15.87 T,E**

Rector, Rebecca Kraft

741856 International Space Station. Covers daily life aboard the International Space Station and the experiments conducted by astronauts aboard the vessel. *True Book. Space Exploration*. il. [IL 8-10] 48 pages Children's 629. **15.39 S**

Redding, Anna Crowley

741872 Black Hole Chasers. The true story of one of the most inspiring scientific breakthroughs of our lifetime--the Event Horizon Telescope team's reveal of the first image of a super massive black hole. il. [IL 9-12] 180 pages Feiwel and Friends 523. **W (AR) 24.88 S,T**

Reed, M. K.

742562 Wild Weather: Storms, Meteorology, And Climate. As a snowpocalypse approaches, weatherman Stormin' Norman Weatherby is out to dispel myths and misconceptions about wild weather and climate by answering questions like: Can someone outrun a tornado? What's the difference between weather and climate? Does meteorology have anything to do with meteors? And more. In graphic novel format. *Science Comics*. il. Hill, Jonathan. [IL 9-13] 119 pages First Second 551. **L 18.58 S**

Regas, Dean

744873 1,000 Facts About Space. Takes you on a tour of our unbelievable universe and is full of fascinating facts on topics such as space exploration, our solar system and galaxy, and beyond. il. [IL 8-12] 96 pages National Geographic 523. **19.98 S**

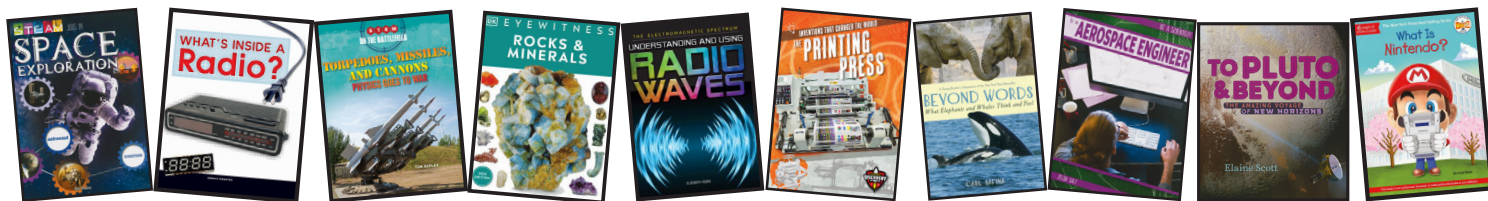
Rendle, Steve

746513 Hypercars. Provides readers with fascinating facts about hypercars, including the Aston Martin One-77, the Porsche 918 Spyder, and much more. *Extreme Cars*. il. [IL 10-12] 32 pages PowerKids 629. **16.91 T**

746524 Race Cars. Provides readers with fascinating facts about the fastest cars on Earth, including an in-depth look at such speed machines as the Ultima RS, the McLaren Senna, and much more. *Extreme Cars*. il. [IL 10-12] 32 pages PowerKids 629. **16.91 T**

746530 Roadsters. Provides readers with fascinating facts about the coolest open air cars out there, including an in-depth look at the Lamborghini Veneno, Tesla Roadster, Aston Martin Valkyrie, and much more. *Extreme Cars*. il. [IL 10-12] 32 pages PowerKids 629. **17.61 T**

746532 Sports Cars. Provides readers with fascinating facts about sleek, stylish, and speedy sports cars, including an in-depth look at the Bugatti Divo, the Porsche 911 GT2 RS, the Caterham 620 R, and much more. *Extreme Cars*. il. [IL 10-12] 32 pages PowerKids 629. **16.91 T**



Reyes, Ray

748254 STEAM Jobs In Space Exploration. An introduction to space exploration, including the astronauts who conduct space experiments on space stations, astronomers who use telescopes to learn more about the universe, what it takes to get one of these jobs and what each of these people do, and more. *STEAM Jobs You'll Love.* il. [IL 10-14] 48 pages Rourke 629. (AR) **17.16 S,T,E**

Ringstad, Arnold

754717 What's Inside A Clock? Introduces readers to the parts inside a clock and how they work together to make the clock function. *Take It Apart.* il. [IL 8-11] 24 pages Child's World 681. **L 23.46 T,E**

754714 What's Inside A Drone? Introduces readers to the parts inside a drone and how they work together to make the drone function. *Take It Apart.* il. [IL 8-11] 24 pages Child's World 623. **L 23.46 T,E**

754712 What's Inside A Radio? Introduces readers to the parts inside a radio and how they work together to make the radio function, and more. *Take It Apart.* il. [IL 8-11] 24 pages Child's World 621. **L 23.46 T,E**

754711 What's Inside A Remote-Controlled Car? Introduces readers to the parts inside a remote-controlled car and how they work together to make the remote-controlled car function. *Take It Apart.* il. [IL 8-11] 24 pages Child's World 620. **L 23.46 T,E**

Ripley, Tim

755004 Torpedoes, Missiles, And Cannons: Physics Goes To War. Physics, or the science of forces, has always been an important part of war. From crossbows and cannons to rocket launchers and laser-guided missiles, discover how physicists have changed weapons and warfare. *STEM On The Battlefield.* il. [IL 9-12] 48 pages Lerner 623. **Q (AR/RC) 31.88 S,T**

Title Entry

761282 Rocks & Minerals. From rough rocks to glittering crystals and everything in between, this stunning collection of facts and photos leaves no stone unturned. Did you know that every rock is a combination of one or more minerals? *DK Eyewitness Books.* il. [IL 8-12] 72 pages DK Publishing 552. **16.69 S**

Romero, Libby

762925 All About Crystals And Gems: Discovering Treasures Of The Natural World. This book introduces readers to crystals and gems. *True Book. Digging In Geology.* il. [IL 8-10] 48 pages Children's 548. **L 15.39 S**

762928 All About Earthquakes: Discovering How Earth Moves And Shakes. This book shows readers the awesome power of earthquakes. *True Book. Natural Disaster!* il. [IL 8-10] 48 pages Children's 551. **15.39 S**

762929 All About Volcanoes: Discovering How Earth Erupts. This book shows readers the awesome power of volcanoes. *True Book. Natural Disaster!* il. [IL 8-10] 48 pages Children's 551. **15.39 S**

Rubio, Elizabeth

769620 Understanding And Using Radio Waves. Readers will discover how radio waves are similar to and different from light we can see, how radio transmitters and receivers work, the difference between AM and FM frequencies, and more. *Electromagnetic Spectrum.* il. [IL 9-13] 64 pages Enslow 537. **L 20.16 S**

769625 Understanding And Using Visible Light. Explores everything about visible light, from its discovery to its behavior as both a particle and a wave to its many uses, including art, science, communication, and more. *Electromagnetic Spectrum.* il. [IL 9-13] 64 pages Enslow 535. **L 20.16 S**

769628 Understanding And Using X-Rays. Explores the history of radiography and how it came to be one of the most useful tools in medicine. It also delves into the limits of radiography and the effects of ionizing radiation on living things while further investigating many other uses of X-rays, including nuclear weaponry, counterfeit detection, and more. *Electromagnetic Spectrum.* il. [IL 9-13] 64 pages Enslow 539. **L 20.16 S**

Rusch, Elizabeth

771826 Big One: The Cascadia Earthquakes And The Science Of Saving Lives. About earth movement and plate tectonics, and the possibility of earthquakes at the Cascadia Subduction Zone, an area

between British Columbia and northern California. *Scientists In The Field.* il. [IL 10-12] 75 pages Clarion 551. **C,L+,M 22.78 S**

Sabelko, Rebecca

774274 Printing Press. Explores the history of the printing press, from its beginning through the technical advancements of this life-changing invention that makes information more accessible in today's ever-changing world. *Blastoff! Discovery. Inventions That Changed The World.* il. [IL 8-13] 32 pages Bellwether Media 681. **L (AR) 23.46 T**

Safina, Carl

774524 Beyond Words: What Elephants And Whales Think And Feel. Weaves decades of field observations about elephants and whales into an intimate look at animal behavior and consciousness. il. [IL 10-14] 165 pages Roaring Brook 591. **B,K+,L+ (AR/RC) 22.08 S**

Salt, Zelda

774899 Be An Aerospace Engineer. An introduction to aerospace engineers and how they use math, physics, and chemistry to develop technologies that affect space exploration and our everyday lives. *Be A Scientist!* il. [IL 9-12] 32 pages Gareth Stevens 629. **16.84 S,T,E,M**

Schwartz, Ella

791480 Is It Okay To Pee In The Ocean? Features information about the surprising uses of urine throughout history as well as the science of urine in bodies and in the world. il. [IL 8-12] 176 pages Bloomsbury 612. **24.88 S**

Scirri, Kaitlin

792405 Science Of Invisibility And X-Ray Vision. Explores the scientists who have worked and continue to work to make these superpowers a reality, and the science behind invisibility and X-ray vision, and how they play a role in the technology of today and tomorrow. *Science Of Superpowers.* il. [IL 8-12] 48 pages Cavendish 502. **B (AR) 18.54 S,T**

Scott, Elaine

793634 To Pluto & Beyond: The Amazing Voyage Of New Horizons. Introduces young readers to New Horizons, the space ship that NASA built to explore Pluto and the fringes of our solar system. il. [IL 8-12] 52 pages Viking 629. **Q (AR/RC) 22.78 S,T**

Senker, Cath

800117 Science Of Medical Technology: From Humble Syringes To Lifesaving Robots. This fascinating guide to medical technology explores how robots are helping surgeons to perform operations, vaccines prevent deaths from disease, and various gadgets can help us check our diet and fitness levels. *Science Of... Science Of Engineering.* il. Affonso, Alexandre. [IL 8-12] 32 pages Watts 610. **L (AR) 16.27 S,T,E**

Shaw, Gina

809092 What Is Nintendo? After introducing the world to some of the best-known video game franchises of all-time, it's clear to see why Nintendo is beloved by parents as a company that creates nonviolent, family-friendly entertainment for kids. *What Was-- ?* il. Thomson, Andrew. [IL 8-12] 107 pages Penguin Workshop 794. (AR) **14.79 T**

Shepherd, Jodie

810416 Building The Titanic. At the time of its construction, the Titanic was an engineering wonder. It took 3,000 workers at the Harland and Wolff shipyard in Belfast almost three years to complete construction. Learn about the process-- from stem to stern. *True Book. The Titanic.* il. [IL 8-10] 48 pages Children's 623. **15.39 T,E**

Shofner, Melissa Rae

804817 Modern Nerd's Guide To Robot Battles. An introduction to robot battling including how they're designed and what skills are needed to participate. *Geek Out!* il. [IL 8-12] 32 pages Gareth Stevens 629. **L 16.84 T**

Silvey, Anita

819634 Undaunted: The Wild Life Of Birute Mary Galdikas And Her Fearless Quest To Save Orangutans. Young scientist, Birute Mary Galdikas, spent her life studying the elusive orangutans of Borneo's rain forest. *National Geographic Kids.* il. [IL 8-12] 96 pages National Geographic 599-B. **K,L,W (AR/RC) 22.78 S**

Slade, Suzanne

823615 Blast Off!: How Mary Sherman Morgan Fueled America Into Space. The inspirational story of Mary Sherman Morgan, the



world's first female rocket scientist, who overcame gender barriers and many failures to succeed. il. Comfort, Sally Wern. [IL 6-8] 48 pages Calkins Creek 509-B. **K,L,M,W 22.78 S**

823759 Countdown: 2979 Days To The Moon. The story of Apollo Missions 1-11 opens with the goal Kennedy set in 1961 and ends with Neil Armstrong and Buzz Aldrin landing on the moon in 1969. il. Gonzalez, Thomas. [IL 10-14] 144 pages Peachtree 629. **B+,K,L+,Q,W+ (AR) 25.56 S,T**
Smith, Emma Bland

827126 How Science Saved The Eiffel Tower. The city of Paris wanted to tear down the Eiffel Tower Gustave Eiffel built for the 1889 World's Fair. More than a million delighted people flocked to visit it during the fair. But the officials wondered, beyond being a spectacle, what is it good for? It must come down! But Eiffel loved his tower. He crafted a clever plan to make the tower too useful to tear down by turning it into "a laboratory such as science has never had at its disposal." Could science save the Eiffel Tower? il. Visirin, Lia. [IL 8-10] 32 pages Picture Window 621. **L 22.08 S,E**

Sohn, Emily

834001 Superbugs And Pandemics. A new disease has reared its ugly head. People are getting very sick with high fevers and an itchy rash. Even worse, it seems to be spreading quickly to several major cities around the world. It's up to Max Axiom and the Society of Super Scientists to find out! In graphic novel format. *Max Axiom And The Society Of Super Scientists.* il. Garcia, Eduardo. [IL 7-11] 32 pages Capstone 616. **L (AR) 24.83 S**

Sommer, Nathan

834644 Aston Martin Valhalla. Colorful photos accompany information about the Aston Martin Valhalla, including its top speed, engine power, price tag, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T**

834652 Bugatti Chiron. Colorful images accompany information about the Bugatti Chiron, including its top speed, price tag, engine specs, body's materials, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T**

834656 Chevrolet Corvette Stingray. Information on an American classic that debuted in 1963, including its history, design, cost, engine specs, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T**

834658 Ferrari 812 Superfast. Colorful images accompany information about the Ferrari 812 Superfast's history and specs, profiles the car's size and basic information, highlights the power of the car's engine, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T**

834659 Ferrari F8 Tributo. Colorful photos accompany information about the Ferrari F8 Tributo, including the car's size, speed, cost, engine power, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T**

834676 Lotus Evija. Colorful images accompany information about Lotus Evija's history with special features highlighting the basics of the car including price, top speed, number made, and more. *Epic. Cool Cars.* il. [IL 7-10] 24 pages Bellwether Media 629. **23.46 T**

Spence, Kelly

838175 Why Air Is Important. Find out why air is so important, the factors that pollute it, and the steps that we can all take to make our air cleaner. *Introduction To Earth's Resources.* il. [IL 8-10] 32 pages Crabtree 551. **16.77 S**

Spilsbury, Louise

840168 Desert Biomes. Gives readers core information about subtropical, polar, coastal, and rain shadow desert biomes. Find out where each kind is found, how animals and plants have adapted to lack of rain, who lives in these deserts, and how humans impact life there. *Earth's Natural Biomes.* il. [IL 8-11] 32 pages Crabtree 577. **L 16.77 S**

840167 Forest Biomes. Gives readers core information about forests in the taiga, tropical and temperate rainforests, and deciduous forest biomes. Find out where each kind is found, how animals and plants have adapted to life among the trees, who lives in these forests, and how humans impact life there. *Earth's Natural Biomes.* il. [IL 8-11] 32 pages Crabtree 577. **L 16.77 S**

840165 Freshwater Biomes. Gives readers core information about freshwater biomes in rivers, lakes, wetlands, and estuaries. Find out where each kind is found, how animals and plants have adapted to life in and around water, who lives near these waterways, and how humans impact life there. *Earth's Natural Biomes.* il. [IL 8-11] 31 pages Crabtree 577. **L 16.77 S**

840164 Grassland Biomes. Gives readers core information about grassland biomes on prairies, steppes, pampas, and savannahs. Find out where each kind is found, how animals and plants have adapted to life on open grassland, who lives in these environments, and how humans impact life there. *Earth's Natural Biomes.* il. [IL 8-11] 32 pages Crabtree 577. **L 16.46 S**

840163 Marine Biomes. Gives readers core information about marine biomes on coasts, in coral reefs, frozen oceans, and in the deepest depths of the ocean. Find out where each kind is found, how animals and plants have adapted to life underwater, who lives in these environments, and how humans impact life there. *Earth's Natural Biomes.* il. [IL 8-11] 31 pages Crabtree 577. **L 16.77 S**

Staaft, Donna

842438 Lady And The Octopus: How Jeanne Villepreux-Power Invented Aquariums And Revolutionized Marine Biology. Jeanne Villepreux-Power was never expected to be a scientist. Born in 1794 in a French village more than 100 miles from the ocean, she pursued an improbable path that brought her to the island of Sicily. There, she took up natural history and solved the two-thousand-year-old mystery of how the argonaut octopus gets its shell. il. [IL 10-18] 136 pages Carolrhoda 578-B. **K 24.18 S**

Standish, Alex

843644 Making Sense Of Climate Change: Know Your Facts; Understand The Science; What Can We Do? Presents an evidence based, informative and calm overview of what's happened in Earth's past, what's happening now, what could happen in the future, and what kids, adults and governments worldwide can do to help protect our planet. il. [IL 8-12] 32 pages Ruby Tuesday 551. **23.48 S**

Steele, Philip

845622 Project Weather. An introduction to the weather, including fascinating facts such as the water cycle, thunderstorms, and climate change, plus simple science projects. *Project Makers.* il. [IL 8-11] 32 pages Windmill Books 551. **L 17.72 S**

Stevens, Alison Pearce

800665 Rhinos In Nebraska: The Amazing Discovery Of The Ashfall Fossil Beds. Tells the story of the Ashfall Fossil Beds in Nebraska, the resting place of more than two hundred perfectly preserved fossils of prehistoric animals. il. Huynh, Matt. [IL 8-12] 135 pages Holt 560. **B,K,L,W (AR) 23.48 S**

Strauss, Rochelle

860414 Global Ocean. Inspires kids to create their own ripples of change, encouraging them to pitch in to help heal and preserve the interconnected oceans that make up the global ocean. *CitizenKid.* il. Donovan, Natasha. [IL 8-12] 36 pages Kids Can 551. **L,W 23.48 S**

Sullivan, Laura L.

863589 Deathstalker Scorpion. An introduction to the deathstalker scorpion, including where this arachnid lives, what it likes to eat, the power of its venom, what medical science has done with this venom to treat patients, why it lives up to its terrifying name, and more. *Toxic Creatures.* il. [IL 7-10] 32 pages Cavendish 595. (AR) **16.90 S**

Swanson, Jennifer

867724 Astronaut Aquanaut. The differences and similarities between the deep ocean and outer space. il. [IL 8-12] 96 pages National Geographic 627. **B,L-,Q (AR) 22.78 S**

Terrell, Brandon

875896 Antibiotics: A Graphic History. Antibiotics stop a bacterial infection from multiplying. They help treat pneumonia, strep throat, and much more. Their creation marked a medical revolution, saving lives from World War II soldiers to modern hospital patients. In graphic novel format. *Medical Breakthroughs.* il. Ginevra, Dante. [IL 8-12] 32 pages Graphic Universe 615. **24.88 S**

875899 Discovery Of Germs: A Graphic History. Earth is home to trillions of germs. But for most of human history, people didn't know



they existed! Learn how the microscope changed everything, allowing scientists to see germs--and discover their surprising benefits. In graphic novel format. *Medical Breakthroughs*. il. Rural, Josep. [IL 8-12] 32 pages Graphic Universe 579. **24.88 S,T**

875904 First Heart Transplant: A Graphic History. For centuries, people misunderstood how the heart works. Even as organ transplants became more common, heart transplants remained dangerous. But small groups of pioneering doctors attempted this difficult surgery, changing the lives of patients. In graphic novel format. *Medical Breakthroughs*. il. Ginevra, Dante. [IL 8-12] 32 pages Graphic Universe 617. **24.88 S,T**

Thimmesh, Catherine

879036 Camp Panda: Helping Cubs Return To The Wild. The story of reintroducing pandas to the wild in China. il. [IL 10-12] 60 pages Clarion 599. **B+,K+,L+,Q (AR/RC) 6.50 S**

Thomas, Isabel

879546 Marie Curie. The biography of the brilliant scientist who coined the term radioactivity, discovered polonium and radium, and helped develop treatments for cancer. *Little Guides To Great Lives*. il. Weckmann, Anke. [IL 8-11] 63 pages Laurence King 540-B. **B 17.88 S**

Thomas, Keltie

879639 Rising Seas: Flooding, Climate Change And Our New World. Gives an eye-popping view of what the Earth might look like under the rising and falling water levels of climate change. il. Wuthrich, Belle. [IL 9-13] 64 pages Firefly Books 551. **B,K,L,W 6.50 S**

Thomas, Rachael L.

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Thornhill, Jan

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Twiddy, Robin

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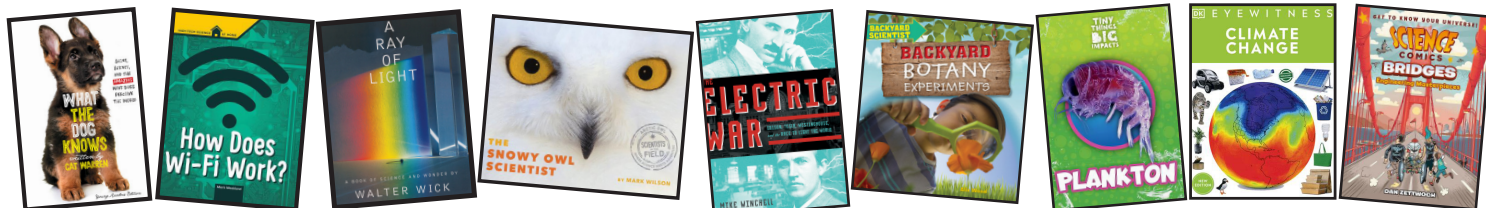
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Wilkins, Ebony

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Wilson, Mark

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Zettwoch, Dan

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CM Bulletin of the Center for Children's Books Marginal Book	Q Horn Book Guide	
	W Publishers Weekly	
	+ Starred Review	