



Bi-County Collaborative  
Making It Possible

## **Science-Themed Novels**

**Grades Pre-Kindergarten to 12**

**March, 2017**

## Science-Themed Novels

Title	Grade Level/Subject Area	Description
<i>Because of an Acorn</i> Lola M. and Adam Schaefer	PreK-Kindergarten	Beautifully illustrated story of interconnections in the forest ecosystem.
<i>Best in Snow</i> April Pulley Sayre	PreK-Kindergarten	Descriptive words, minimal text, and breathtaking photos tell the story of snowfall, snow melt, and the seeping of water into the Earth.
<i>About Marine Mammals</i> Catherine Sill	Grades PreK-2	In this simple and enlightening book, former teacher Cathryn Sill explains to children what marine mammals are, what they do, and how they live. Accompanied by beautifully detailed illustrations from noted wildlife illustrator John Sill, <i>About Marine Mammals</i> tells children what is essential for understanding and appreciating these fascinating creatures. An afterword—which includes a glossary and recommended books and websites—provides further detail for children and their parents about a wide variety of marine mammals.
<i>Grow! Raise! Catch!</i> Shelley Rotner	Grades PreK-2	Rotner takes readers through the farm-to-table process through colorful photos of food and the farmers who produce it.
<i>Squirrels Leap, Squirrels Sleep</i> April Pulley Sayre	Grades PreK-2	The actions of squirrels set to rhyme. More detailed explanations of the actions described are included at the end of the book.
<i>Ada Lovelace, Poet of Science</i> Diane Stanley	Grades PreK-3	This is the story of a young girl born to the famous poet Lord Byron and mathematically minded Annabella who uses her talents to write the first computer program.
<i>After a While Crocodile</i> Dr. Brady Barr and Jennifer Keats Curtis	Grades PreK-3	Through her journal entries readers follow Alexa, a Costa Rican schoolgirl, as she cares for an American Crocodile and then releases him to the wild.
<i>Feathered Dinosaurs</i> Brenda Z. Guiberson	Grades PreK-3	A diverse array of dinosaurs richly illustrated and showing feathers as a major evolutionary development, which gives evidence of the “connection between the feathered dinosaurs and

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		modern birds.”
<i>Flying Frogs and Walking Fish</i> Steve Jenkins	Grades PreK-3	Walking, leaping, swimming, and other actions are explored to describe how animals move from place to place and survive by escaping predators and catching their own prey.
<i>Glow</i> W.H. Beck	Grades PreK-3	An exploration of how living organisms utilize bioluminescence to survive within their environments.
<i>Octopuses One to Ten</i> Ellen Jackson	Grades PreK-3	More than a counting book, this book describes the unique characteristics of octopuses through rhyming text and engaging illustrations.
<i>Peeking Under the City</i> Esther Porter	Grades PreK-3	The reader is taken on a graphically illustrated journey beneath the city to all of the aspects of life that are found there, ranging from transportation to infrastructure to evidence of long ago.
<i>The Secret Subway</i> Shana Corey	Grades PreK-3	Incredibly fascinating illustrations help tell a little known but true story of the first underground subway in New York City. Readers will be captivated by the story itself and the description of how the illustrations were created.
<i>Every Breath We Take</i> Maya Ajmera and Dominique Browning	Grades PreK-3	Through bright photographs and simple text structure, this book examines how air is needed by living creatures and useful for other activities we engage in as well.
<i>Solving the Puzzle Under the Sea</i> Robert Burleigh	Grades PreK-3	This beautifully illustrated biography presents the story of Marie Tharp, the first person to successfully chart the floor of the Atlantic Ocean.
<i>Charles Darwin's Around the World Adventure</i> Jennifer Thermes	Grades K-2	The biographical path, scientific explorations, and discoveries that encompassed the life of Charles Darwin are detailed in this appropriately aged text and through engaging drawings.
<i>A Beetle is Shy</i> Dianna Hutts Aston	Grades K-3	An illustrated book that showcases the fascinating world of beetles.
<i>Circle</i> Jeannie Baker	Grades K-3	Join the bar-tailed godwits as they circle from their breeding grounds in the Arctic to Australia and New Zealand and back again in this beautifully illustrated story.

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<i>Our Food</i> Grace Lin and Ranida T. McKneally	Grades K-3	Answers to questions such as “why are so many vegetables green?” are asked and answered as children visit a farm and learn about the different types of food we eat through informative text and short, witty poems.
<i>Platypus</i> Sue Whiting	Grades K-4	Captivating illustrations accompanied by lyrical language bring readers into the fascinating world of the platypus.
<i>Nefertiti, the Spidernaut</i> Darcy Pattison	Grades K-6	The true story of an investigation to see if a spider could adapt to living in an environment without gravity on the International Space Station and then going back to gravity on Earth.
<i>Good Trick, Walking Stick!</i> Sheri M. Bestor	Grade 1	Through both narrative and expository text features as well as whimsical pictures that convey additional information, the life cycle of a walking stick is examined.
<i>Ada's Ideas</i> Fiona Robinson	Grades 1-4	An inspirational story of Ada Lovelace who overcame struggles to pursue her interests in math and science.
<i>Animals by the Numbers</i> Steve Jenkins	Grades 1-4	Interesting infographics that compare features of various animals in appealing visuals.
<i>Day of the Dinosaurs</i> Steve Brusatte	Grades 1-4	“Step back into a spectacular prehistoric world” and explore the rise and fall of the dinosaurs along with some of their unique defense mechanisms, diets, and environmental habitats during their approximately 187 million year reign on Earth.
<i>Owls!</i> Laurence Pringle	Grades 1-4	Enter the world of Owls through this beautifully illustrated book filled with unusual information about owls from all over the world.
<i>Gotcha!</i> Jamie Gilson	Grades 1-4	Humorous black-and-white illustrations break up the text in the story about a class field trip to observe spiders that partners Richard with bully Patrick the Pest. Gilson weaves interesting facts about spiders into this fourth book featuring Mrs. Zookey's second-grade class.
<i>Giant Squid</i> Candace Fleming	Grades 1-5	Beautifully illustrated book about the mysterious life of the elusive giant squid.
<i>Insects</i> Seymour Simon	Grades 1-5	Exquisite up-close photographs support the interesting text about the characteristics and classifications of various insect species.

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<i>If You Are a Kaka, You Eat Doo Doo</i>	Grades 1-6	Fascinating and fun stories about the role poo plays in different animal adaptations.
<i>Treecology</i> Monica Russo	Grades 2+	A delightful introduction to trees, this information-packed resource has activities and observations for nature enthusiasts of all ages.
<i>Owen Foote, Mighty Scientist</i> Stephanie Greene	Grades 2-4	Owen and his friend Joseph pair up for the third-grade science fair and attempt a project with Owen's pet lizard that leads to disastrous results. Although humor rules the day in this Owen Foote series title, comments about the scientific method and the ethics of animal experimentation will prompt discussions.
<i>Judy Moody Saves the World!</i> Megan McDonald	Grades 2-4	Inspired by her third-grade's study of the environment, Judy vows to reform her family's recycling habits and comes up with an award-winning project for her class.
<i>Jake Drake, Know-It-All</i> Andrew Clements	Grades 2-4	Third-grader Jake and his friend Willie conduct a science fair project using electromagnets. Clements includes examples of how to formulate a hypothesis and use the scientific method.
<i>That Crazy Eddy and the Science Project of Doom</i> Judy Cox	Grades 2-4	Third-grader Matt and his best friend, Eddie, team up to build a working volcano for their science fair and find that issues of friendship sometimes interfere with good science.
<i>I, Humanity</i> Jeffrey Bennett	Grades 2-4	The story of our place in the universe told through the collective voice of humanity.
<i>Next Time You See a Cloud</i> Emily Morgan	Grades 2-4	Take a closer look at clouds through striking photography and answers to everyday questions.
<i>Notable Notebooks</i> Jessica Fries-Gaither	Grades 2-4	An overview of how notebooks are used in science with examples from the field.
<i>Under Water, Under Earth</i> Aleksandra Mizielinska	Grades 2-4	Simple but mesmerizing illustrations in the book explore mysteries beneath water and earth to captivate the reader's imagination.

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and Daniel Mikielinski		
<i>I Was a Third Grade Science Project</i> Mary Jane, Auch	Grades 2-4	Josh, Brian, and Dougie team up for the science fair and try to hypnotize Brian's dog, Arful, into thinking he is a cat, but it is Josh who succumbs to the suggestion, with hysterical results.
<i>Whoosh!</i> Chris Barton	Grades 2-5	The biography of a creative NASA engineer who invented one of the most famous water toys is presented through lively text and captivating illustrations.
<i>Manatee Rescue</i> Nicola Davies	Grades 2-5	A girl's commitment to save an orphaned manatee changes the attitudes of her community.
<i>A Dolphin Named Bob</i> Twig C. George	Grades 2-5	Bob, an Atlantic bottle-nosed dolphin, overcomes many obstacles as he grows up at the Maryland State Aquarium. George intersperses information about dolphin behavior and about raising and training dolphins in captivity with Bob's appealing antics, brought to life in Merrill's black-and-white illustrations.
<i>Phineas L. MacGuire...Erupts! The First Experiment</i> Francis O'Roark Dowell	Grades 3-5	Fourth-grade science whiz Phineas is forced to team up with an obnoxious New kid for the science fair and the two are so different that he despairs of ever winning.
<i>The Earth Dragon Awakes: The San Francisco Earthquake of 1906</i> Laurence Yep	Grades 3-5	Eight-year-old Henry and his friend nine-year old Chin recount their experience during the 1906 San Francisco earthquake.
<i>Leon and the Champion Chip</i> Allen Kurzweil	Grades 3-6	Fifth-grade science teacher Mr. Sparks decides to teach his entire curriculum based on the potato chip. Leon and his friends employ the scientific methods taught in class to redesign a soft-sculpture action figure they hope will help them get revenge against the class bully.
<i>Illuminature</i> Rachel Williams	Grades 3-6	Use a three color lens to explore the world with respect to its diverse habitats, animals that roam by day, and creatures that come out at night.

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<i>Natural World</i> Amanda Wood and Mike Jolley	Grades 3-6	This book allows the reader to create his/ her own learning adventure while looking through stunning illustrations and a treasure trove of information about our natural world.
<i>Ancient Earth Journal: The Late Jurassic</i> Juan Carlos Alonso and Gregory S. Paul	Grades 3-7	Take a visual tour through the late Jurassic period of geological time and explore, through beautiful illustrations, the diversity of dinosaurs that inhabited Earth approximately 150 million years ago.
<i>Chasing at the Surface</i> Sharon Mentyka	Grades 3-7	A pod of stranded orcas is protected and saved by the determined effort of a girl, her friends and community, and scientists.
<i>Cleared for Takeoff</i> Rowland White	Grades 3-7	Any reader interested in man's pursuit of flight will be taken on the ride of a lifetime as all areas related to flight, whether it is technological, historical or related to human interest, are examined in this book.
<i>Hopping Ahead of Climate Change</i> Sneed B. Collard	Grades 3-7	Highlights the fascinating climate change research of one scientist from the perspective of one species.
<i>Inside of a Dog</i> Alexandra Horowitz	Grades 3-7	Understand dogs on a whole new level by exploring how they see, feel, perceive, and communicate with their world.
<i>Poop Detectives</i> Ginger Wadsworth	Grades 3-7	Examines the use of scat detection dogs on land and sea in scientific research.
<i>The Rock and Gem Book</i> DK	Grades 3-7	Accurate, colorful illustrations with easy to read descriptions of many common rocks and gems found on Earth. What a great reference tool for any personal or school library!
<i>Strange, Unusual, Gross &amp; Cool Animals</i> Animal Planet and Charles Ghigna	Grades 3-7	A stunning visual encyclopedia that shares lesser known information about unique animals.
<i>Super Cool Tech</i>	Grades 3-7	This uniquely designed book guides readers through a look at cutting edge technology and its

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DK		secrets. Full-color images, cutaways, and digital artwork make this book visually enjoyable.
<i>The Good Dog</i> Avi	Grades 4-6	McKinley, a malamute and leader of the dogs in Steamboat Springs, Colorado, questions his loyalty to his human family after a stray wolf tries to convince some of the dogs to join a struggling wolf pack. Avi offers much detail about wolf and canine behaviors and about the relationship between these two groups.
<i>Dillon Dillon</i> Kate Banks	Grades 4-6	The summer that 10-year-old Dillon learns he is adopted, he becomes fascinated by a pair of loons that nest in one of his sneakers. When the birds are killed, he fears for the safety of their orphaned chick until another loon begins to raise the chick as its own.
<i>Runt: A Novel</i> Marion Dane Bauer	Grades 4-6	Runt, the smallest of his wolf litter, tries desperately to keep up with his siblings and prove himself to his father. This beautifully written book explains much about pack interactions in the wild.
<i>Silverwing</i> Kenneth Oppel	Grades 4-6	Shade, the runt of his Silverwing bat colony, becomes separated from the group during their annual winter migration, and, with the help of an exiled Brightwing bat, must find his colony and save them from a group of cannibal bats. Full of adventure, natural history, and bat lore, this book is followed by <i>Sunwing</i> .
<i>Project Mulberry</i> Linda Sue Park	Grades 4-6	Seventh-grader Julia Song isn't interested in raising silkworms for her state fair project because she feels it is too Korean. However, the process of caring for the eggs, caterpillars, and moths: sewing the silk thread; and getting to know the neighbor who supplies the mulberry leaves that make her project possible changes her mind.
<i>Regarding the Sink: Where oh Where, Did the Waters Go?</i> Kate Klise	Grades 4-6	In this sequel to <i>Regarding the Fountain</i> , Geyser Creek Middle School needs a new sink (the old one is stopped up with beans), and the kids once again seek the expertise of designer Florence Waters.
<i>Sondok: Princess of the Moon and Stars</i> Sheri Holman	Grades 4-6	This offering from the Royal Diaries series introduces a sixth-century princess who becomes a ruler of the Korean Kingdom of Silla, during an era of political and religious intrigue. Her lifelong interest in astronomy leads her to build the oldest standing astronomical observatory in Asia.
<i>The Volcano Disaster</i> Peg Kehret	Grades 4-6	Twelve-year old Warren Spaulding is working on a class project about volcanoes when he finds himself transported back in time to May 18, 1980 - just as Mount St. Helens is about to erupt.



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<i>The Legend of Zoey</i> Candie Moonshower	Grades 4-6	While on a class field trip, 13-year-old Zoey is propelled back in time to 1811, just before the New Madrid earthquakes which destroyed a Chickasaw Indian village and changed the course of the Mississippi River.
<i>Night of the Twisters</i> Ivy Ruckman	Grades 4-6	Twelve-year-old Dan Hatch experiences firsthand the tornadoes that hit Grand Island, Nebraska, on June 4, 1980.
<i>Marie Curie for Kids</i> Amy M. O'Quinn	Grades 4-6	An inspirational biography of the legendary scientist tailored for young adults, accompanied by dozens of historical photos and activities that explain Curie's valuable contribution to science
<i>Wing Nut</i> Mary Jane Auch	Grades 4-7	When 12-year-old Grady and his mom relocate to Charlie Fernwald's Pennsylvania farm, the boy learns about maintaining a purple martin colony, auto mechanics, and trust.
<i>Out of the Deep</i> Alane Ferguson and Gloria Skurzynski	Grades 4-7	Jack, Ashley, and their foster sister, Bindy, set out to discover who or what is responsible for the deaths of some baby whales along the coast of Maine's Acadia National Park.
<i>Super Gear</i> Jennifer Swanson	Grades 4-7	The future is now! Discover the nano-inventions that are changing our lives.
<i>Charlie's Raven</i> Jean Craighead George	Grades 4-7	Thirteen-year-old Charlie learns as much from Blue Sky, a baby raven who imprints on the boy and serves as a source of interest and amazement to Charlie's entire family. George, a noted naturalist in her own right, has written many books highlighting animal behavior.
<i>Matilda Bone</i> Karen Cushman	Grades 4-8	An orphaned girl is apprenticed to Peg the Bonesetter and gets an up-close view of the medieval English medicine.
<i>The Tale of the Swamp Rat</i> Carter Crocker	Grades 4-8	In this realistic fantasy set in the Florida swamplands, an orphaned rat named Ossie is taken in by an alligator, Uncle Will. As the seasons change, a drought sets in and Ossie must lead his friends to life-giving water.
<i>The Great White Shark Scientist</i> Sy Montgomery	Grades 5-7	Follow a team of researchers led by biologist Greg Skomal as they study the largest and most feared fish, the great white shark.
<i>Our Moon</i>	Grades 5-7	A look at our evolving understanding of Earth's nearest neighbor from a historical perspective to the

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Elaine Scott		most recent discoveries.
<i>Chicken Boy</i> Frances O'Roark Dowell	Grades 5-8	When 12-year-old Tobin raises chicken for extra credit in science class, he finds the discipline he needed to complete the project and gains insight that help him deal with the problems in his life.
<i>Jackie's Wild Seattle</i> Will Hobbs	Grades 5-8	Fourteen-year-old Shannon and her younger brother, Cody spend the summer with their Uncle Neil, an ambulance driver for a wildlife rescue center near Seattle. A subplot involving Neal's struggle with lymphoma is well handled.
<i>Ninjas</i> Greg Leitich Smith	Grades 5-8	In this hilarious story, three best friends from a Chicago magnet school enter the science fair. One student tries to teach piranhas to prefer bananas, while the other two copy an experiment in which plants grow better when exposed to baroque music-only to discover that the original results are wrong.
<i>The Apprenticeship of Lucas Whitaker</i> Cynthia DeFelice	Grades 5-8	While working with the kindly Dr. Beecher, 12-year-old Lucas learns much about the practice of medicine circa 1849, including some macabre and superstitious practices thought to cure tuberculosis.
<i>Mind Games</i> Jeanne Marie Grunwell	Grades 5-8	Six middle-school science club members design and carry out an experiment to prove whether or not ESP exists.
<i>Journey to the River Sea</i> Eva Ibbotson	Grades 5-8	In 1910, English orphan Maia moves to Brazil to live with distant cousins and finds herself disgusted by her relatives' lack of appreciation for their surroundings. This leads her to escape and have her own Amazon River adventure.
<i>Flush</i> Carl Hiaasen	Grades 5-8	Noah and his sister, Abbey, investigate a floating casino whose owners they suspect of dumping raw sewage into the protected waters around their Florida Keys home.
<i>Stranded</i> Ben Mikaelson	Grades 5-8	Twelve-year-old Koby, who lost a foot in an accident, finds a new sense of self-worth when she rescues and cares for two beached pilot whales near her Florida Keys home. When an approaching hurricane threatens the whales' lives and her father's business, Koby and her parents must confront not only the storm but also the emotional barriers in the family.
<i>A Gebra Named Al</i> Wendy Isdell	Grades 5-8	Julie hates algebra until she journeys to the fantastical Land of Mathematics, where she encounters a zebra-like imaginary number named Al and several horse-like creatures representing the elements

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		of the periodic table.
<i>The Same Stuff as Stars</i> Katherine Paterson	Grades 5-8	After being abandoned by her mother to live with her great-grandmother, 11-year-old Angel takes comfort from the astronomy she learns from her uncle.
<i>Tibaldo and the Hole in the Calendar</i> Abner Shimony	Grades 5-8	In 1582, young Tibaldo Bondi loses his birthday in the switch from the Gregorian calendar and appeals to Pope Gregory for assistance.
<i>Milestones of Flight</i> Tim Grove	Grades 5-9	Soar through time as you read about specific achievements in aviation. Much of this book's inspiring illustrations come from the Smithsonian's collection.
<i>Radioactive!</i> Winifred Conkling	Grades 5-9	Science and history are woven together in this chapter book about two important physicists whose contributions are often overlooked.
<i>Bubonic Panic</i> Gail Jarow	Grades 5-10	This book combines gruesome photographs with a detailed description of this horrific disease. This is a riveting historical recount of this major breakout.
<i>Fever 1793</i> Laurie Halse Anderson	Grades 6-10	As the 1793 Philadelphia yellow fever epidemic rages all around 16-year-old Mattie Cook, she comes into contact with many of the sick as well as Dr. Benjamin Rush and the physicians at the Free African Society. An appendix clarifies fact and fiction about this epidemic.
<i>Florence Nightingale</i> Catherine Reef	Grades 7+	An informative biography of Florence Nightingale with a historical context recounting her struggles and contributions to society.
<i>The Story of Seeds</i> Nancy Castaldo	Grades 7+	The impact of modern day science and technology ranging from genetically modified foods to the importance of maintaining seed vaults is examined from the context that seeds have an extremely important job in the world—the production of food.
<i>Life as We Knew It</i> Susan Beth Pfeffer	Grades 7-10	After a meteor hits the moon and disrupts life across the planet, 16-year-old Miranda and her family in rural Pennsylvania struggle to survive in a world where food, warmth, and well-being have vanished.
<i>Saving the Planet and Stuff: A Novel</i> Gail Gauthier	Grades 8-10	Sixteen-year-old Michael agrees to intern for an environmental magazine, <i>The Earth's Wife</i> , and finds himself in over his head in politics—of both the environmental and the office kind. This eco-comedy contrasts the radical idealism of the 1960's with twenty-first-century "me-ism."

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<p><i>A Global Warming Primer</i> Jeffrey Bennett</p>	<p>Grades 12+</p>	<p>A straightforward and easy read concerning the impact of humans upon Earth's climate through the use of a question and answer format that will assist the reader to better understand the "The Science, The Consequences, and The Solutions" of a warming climate.</p>
<p><i>Never Cry Wolf: The Amazing True Story of Life Among Arctic Wolves</i> Farley Mowat</p>	<p>High School - Biology I and II</p>	<p>More than a half-century ago the naturalist Farley Mowat set out to investigate why wolves were killing arctic caribou. Mowat's account of the summer he lived in frozen tundra alone - studying the wolf population and developing a deep affection for the wolves (who were of no threat to caribou or man) - is today celebrated as a classic of nature writing, at once a tale of remarkable adventures and indelible record of myths and magic of wolves.</p>
<p><i>One Man's Wilderness: An Alaskan Odyssey</i> Sam Keith and Richard Proenneke</p>	<p>High School - Biology I and II</p>	<p>Sam Keith has woven a tribute to man who carved his masterpiece out of the beyond. To live in a pristine land unchanged by man...to roam a wilderness through which few other humans have passed...to choose an idyllic site, cut trees by hand, and build a log cabin...to be self-sufficient craftsman, making what is needed from materials available...to be not at odds with the world, but content with one's own thoughts, dreams and company.</p>
<p><i>The Monk in the Garden: The Lost and Found Genius of Gregor Mendel, the Father of Genetics</i> Robin Marantz Henig</p>	<p>High School - Biology I and II</p>	<p>Robin Marantz Henig vividly evokes a little-known chapter in science, taking us back to the birth of genetics, a field that continues to challenge the way we think about life itself. Shrouded in mystery, Gregor Mendel's quiet life and discoveries make for fascinating reading. Among his pea plants Henig finds a tale filled with intrigue, jealousy, and a healthy dose of bad timing.</p>
<p><i>Charles Darwin: Giants of Science</i> Kathleen Krull</p>	<p>High School - Biology I and II</p>	<p>All his life, Charles Darwin hated controversy. Yet he takes his place among the Giants of Science for what remains an immensely controversial subject: the theory of evolution. Darwin began piecing together his explanation for how all living things change or adapt during his five-year voyage on HMS Beagle. But it took him twenty years to go public, for fear of the backlash his theory would cause. Once again, Kathleen Krull delivers a witty and astute picture of one of history's greatest scientists.</p>
<p><i>The Metamorphosis</i> Frank Kafka</p>	<p>High School - Biology I and II</p>	<p>Gregor is the main character of the story. He works as a traveling salesman in order to provide money for his sister and parents. He wakes up one morning finding himself transformed into an insect. After the metamorphosis, Gregor becomes unable to work and is confined to his room for the remainder of the story.</p>
<p><i>Evidence from the Earth: Forensic Geology and</i></p>	<p>High School - Earth Science</p>	<p>This popular introduction to forensic geology - the science of tracing muddy footprints, finding buried bodies, and exposing gem and mineral fraud is now even better. With more than 15 new case</p>

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<p><i>Criminal Investigation</i> Raymond C. Murray</p>		<p>studies and several new forensic techniques, <i>Evidence from the Earth Second Edition</i>, details how modern-day Sherlock Holmes can solve crimes using soils, rocks, and other earth minerals.</p>
<p><i>Archimedes and the Door of Science</i> Jeanne Bendick</p>	<p>High School - Physics</p>	<p>Jeanne Bendick, through text and pictures, admirably succeeds in bringing to life the ancient Greek mathematician who enriched mathematics and all branches of science. Against the backdrop of Archimedes' life and culture, the author discusses the man's work, his discoveries and the knowledge later based upon it. The simple, often humorous, illustrations and diagrams greatly enhance the text.</p>
<p><i>Isaac Newton: Giants of Science</i> Kathleen Kull</p>	<p>High School - Physics</p>	<p>Here is a man with an imagination so large that just 'by thinking on it,' he invented calculus and figured out the scientific explanation of gravity. Kathleen Krull presents a portrait of Isaac Newton that will challenge your beliefs about a genius whose amazing discoveries changed the world.</p>
<p><i>Leonardo da Vinci: Giants of Science</i> Kathleen Krull</p>	<p>High School - Physics</p>	<p>Leonardo da Vinci's notebooks are mind-boggling evidence of a fifteenth-century scientific genius standing at the edge of the modern world, basing his ideas on observation and experimentation. This book will change children's ideas of who Leonardo was and what it means to be a scientist.</p>
<p><i>Benjamin Franklin: Giants of Science</i> Kathleen Krull</p>	<p>High School - Physics</p>	<p>Benjamin Franklin is a famous colonial inventor and multitasker who may be best remembered as one of America's Founding Fathers. But he was also a "natural philosopher" (the term for scientists back in the 1700s), whose experiments led to important discoveries about the nature of electricity—including his famous demonstration that electricity and lightning were one and the same. In a fantastic addition to the much-lauded Giants of Science series, this biography sheds new light on the man who considered science his true calling in life.</p>
<p><i>Physics of the Future: How Science Will Shape Human Destiny and Our Daily Lives by the Year 2100</i> Michio Kaku</p>	<p>High School - Engineering and Technology</p>	<p>In the Physics of the Future, Michio Kaku—the New York Times best-selling author of Physics of the Impossible—gives us a stunning, provocative, and exhilarating vision of the coming century based on interviews with over 300 of the world's top scientists who are already inventing the future in their labs. The result is the most authoritative and scientifically accurate description of the revolutionary developments taking place in medicine, computers, artificial intelligence, nanotechnology, energy production, and astronautics.</p>
<p><i>Periodic Tales: The Curious Lives of the Elements</i> Hugh Aldersey-Williams</p>	<p>High School - Chemistry</p>	<p>Everything is made of them, from the furthest reaches of the universe to this book that you hold in your hands, including you. Like you, the elements have lives: personalities and attitudes, talents and shortcomings, stories rich with meaning. You may think of them as the inscrutable letters of the periodic table but you know them much better than you realise. Welcome to a dazzling tour through</p>

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		<p>history and literature, science and art. Here you'll meet iron that rains from the heavens and noble gases that light the way to vice. You'll learn how lead can tell your future while zinc may one day line your coffin. You'll discover what connects the bones in your body with the Whitehouse in Washington, the glow of a streetlamp with the salt on your dinner table. From ancient civilisations to contemporary culture, from the oxygen of publicity to the phosphorus in your pee, the elements are near and far and all around us. Unlocking their astonishing secrets and colourful pasts, "Periodic Tales" will take you on a voyage of wonder and discovery, excitement and novelty, beauty and truth. Along the way, you'll find that their stories are our stories, and their lives are inextricable from our own.</p>
<p><i>Molecules: The Elements and the Architecture of Everything</i> Theodore Gray</p>	High School - Chemistry	<p>Everything physical is made up of the elements and the infinite variety of molecules they form when they combine with each other. In <i>Molecules</i>, Theodore Gray takes the next step in the grand story that began with the periodic table in his best-selling book, <i>The Elements: A Visual Exploration of Every Known Atom in the Universe</i>. Here, he explores through fascinating stories and trademark stunning photography the most interesting, essential, useful, and beautiful of the millions of chemical structures that make up every material in the world.</p>
<p><i>The Chemistry of Alchemy: From Dragon's Blood to Donkey Dung, How Chemistry was Forged</i> Cathy Cobb</p>	High School - Chemistry	<p>A unique approach to the history of science using do-it-yourself experiments along with brief historical profiles to demonstrate how the ancient alchemists stumbled upon the science of chemistry. Be the alchemist! Explore the legend of alchemy with the science of chemistry. Enjoy over twenty hands-on demonstrations of alchemical reactions. In this exploration of the ancient art of alchemy, three veteran chemists show that the alchemists' quest involved real science and they recount fascinating stories of the sages who performed these strange experiments.</p>