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Next Generation Science Standards for Grade 3

Grade 3 Physical Science

Adler, David A. Magnets Push, Magnets Pull. (043086) Raff, Anna il. We can't see magnetism, but it's everywhere around us--even the Earth is a giant magnet! Covers the basics of magnetism, plus suggested activities. (05-08) Holiday House 2017 B,K-,L,M \$20.49

Biskup, Agnieszka. Super Cool Forces And Motion Activities With Max Axiom. (122471) il. From the secret files of Axiom Laboratories comes a collection of kid friendly forces and motion experiments and activities. (08-14) Capstone 2015 Q \$22.61

Fretland VanVoorst, Jenny. Bicycles. (355952) il. Explores the physics behind how a bicycle works. (07-10) Pogo 2016 (AR) \$20.49

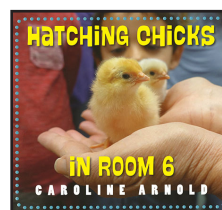
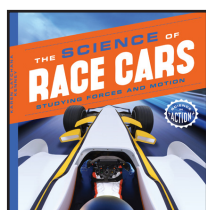
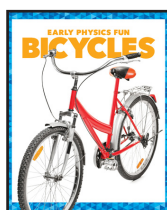
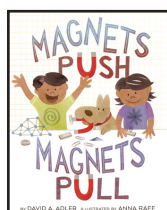
Fretland VanVoorst, Jenny. Trampolines. (355996) il. Carefully leveled text and vibrant photographs introduce young readers to the physics principles responsible for a trampoline's behavior. (07-10) Pogo 2016 (AR) \$20.49

Kenney, Karen Latchana. Science Of Race Cars: Studying Forces And Motion. (513955) il. An introduction to the science of race cars, including the relationship of mass and acceleration, downforce, updraft, friction, inertia, centripetal force, the role of aerodynamics in managing these forces, and more. (08-11) Abdo 2016 L,Q (AR) \$21.19

Lawrence, Ellen. Magnets. (550809) il. In this book, young readers are instructed in activities to teach them how magnets work. (07-09) Bearport 2015 \$20.49

Loria, Laura. What Is Magnetism? (587788) il. An introduction to magnets, including polarity, magnetic fields, electromagnetics, the difference between soft and hard magnets, the ways in which magnets are used in industry, medicine, everyday life, and more. (07-11) Britannica Ed Pub 2015 \$24.34

Miller, Tim. Levers In My Makerspace. (647224) il. Uses the principles of makerspaces to introduce the lever. Simple text describes the structure and uses of levers, and clear, step-by-step instructions show children how to make their own for creative projects. (08-11) Crabtree 2017 \$14.70



Ward, D. J. (David John). Simple Machines. (920311) Lowery, Mike il. A fascinating exploration of the six simple machines--the lever, the wheel-and-axle, the pulley, the ramp, the wedge, and the screw. (04-08) Harper 2015 Q (AR) \$13.72

Set S18368 _____ 9 Books @ \$178.52

Grade 3 Life Science

Amstutz, Lisa J. Investigating Animal Life Cycles. (057616) il. Investigates the life cycle of insects, fish, reptiles, birds, amphibians, and mammals. (08-11) Lerner 2016 Q (AR) \$28.44

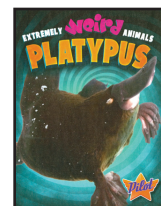
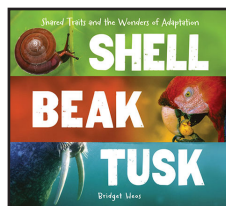
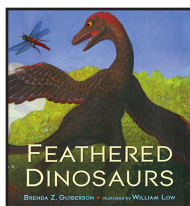
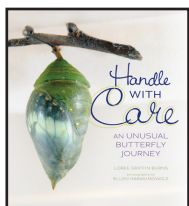
Arnold, Caroline. Hatching Chicks In Room 6. (070124) il. Follow a classroom of kindergartners as they participate in a popular activity: hatching chicks. (03-07) Charlesbridge 2017 B,K,L,C,W (AR) \$19.81

Arnold, Caroline. Living Fossils: Clues To The Past. (070350) Plant, Andrew il. A look at how and why some animals haven't changed much since prehistoric times. (07-10) Charlesbridge 2016 B,K,L,Q,W (AR) \$19.79

Beck, W. H. Glow: Animals With Their Own Night-Lights. (339829) il. Brings the glowing world of bioluminescence to light for young readers with photographs. (05-08) Houghton Mifflin Harcourt 2016 B,K,L,Q,C,W (AR/RC) \$20.51

Burnie, David. Tree. (068315) il. Discover the world of trees--how they defend themselves, reproduce, change during each season, and age. (08-12) DK Publishing 2015 \$15.22

Burns, Loree Griffin. Handle With Care: An Unusual Butterfly Journey. (175384) Harasimowicz, Ellen il. El Bosque Nuevo, located in the tropical forest of Costa Rica, is no ordinary farm. Here, the farmers "grow" butterfly pupae and ship them to museums so that people around the world can learn more about butterflies. The money that the museums pay for the pupae is used to protect the forest around the farm, including its butterfly habitat. (07-09) Millbrook 2014 B,K,L,Q+,M (AR/RC) \$26.54



Christelow, Eileen. Robins!: How They Grow Up. (212188) il. Tells the story of two young robins' first year, and reveals plenty of little-known facts that are sure to captivate young naturalists. (06-09) Clarion 2017 **B+,K,M+,W** (AR/RC) **\$19.81**

DiSiena, Laura Lyn. Dinosaurs Live On!: And Other Fun Facts. (280379) Spurgeon, Aaron il. Travel back to the age of dinosaurs with this title that's filled with fun facts about fossils, the Mesozoic Era, pterodactyls, the T. rex, and more! (06-08) Little Simon 2015 **L,Q** (AR) **\$20.51**

Dixon, Dougal. Sea Creatures Crawl On Land: Early Life. (281638) il. Describes the animals of the Paleozoic Era, when animals with bony parts and the first land animals developed. (07-11) New Forest Press 2012 **L,Q** **\$6.70**

Dutcher, Jim. Friend For Lakota: The Incredible True Story Of A Wolf Who Braved Bullying. (297930) il. Explore the forest with shy Lakota as he courageously overcomes bullying, finds his special place in the pack, and makes the friend of a lifetime. (04-08) National Geographic 2015 **L,Q** (AR) **\$19.81**

Guiberson, Brenda Z. Feathered Dinosaurs. (406136) Low, William il. An exploration of recently-discovered feathered dinosaurs--the ancient ancestors of birds today! (04-08) Holt 2016 **B,K,L,Q** (AR/RC) **\$20.51**

Hatkoff, Craig. Cecil's Pride: The True Story Of A Lion King. (424879) Stapelkamp, Brent il. At Hwange National Park, Zimbabwe's largest game reserve, the tale of Cecil the Lion's dramatic rise to power and an unlikely partnership with his rival, Jericho, that would eventually save his pride. (04-08) Scholastic 2016 **L,Q,W** (RC) **\$20.51**

Heos, Bridget. Shell, Beak, Tusk: Shared Traits And The Wonders Of Adaptation. (439948) il. Shows readers how some key survival problems are solved by some very different animals. (07-09) Houghton Mifflin Harcourt 2017 **B,K,L,C,W** **\$19.81**

Hibbert, Clare. Chimp Rescue. (442885) il. Explores what life is like for both the chimps and workers in sanctuaries created to provide a safe environment for the chimps to live, including what goes on in these sanctuaries, fascinating facts about chimps, and more. (08-12) PowerKids 2015 **\$26.30**

Hirsch, Rebecca E. Galapagos Tortoises: Long-Lived Giant Reptiles. (446816) il. An introduction to the Galapagos tortoise, including their appearance, behavior, habitat, and life cycle--compared to similar and different reptiles, and more. (08-10) Lerner 2016 **L,Q** (AR) **\$26.58**

Jenkins, Steve. Apex Predators: The World's Deadliest Hunters, Past And Present. (490820) il. Introduces readers to some of the most powerful predators in history, from the Tyrannosaurus rex to the African lion. (06-09) Houghton Mifflin Harcourt 2017 **B,K,L,W** **\$20.51**

Jenkins, Steve. Egg: Nature's Perfect Package. (695299) il. Explore how a simple, often colorful, sometimes surprisingly shaped package reveals nature's life cycle, unusual animal defense strategies, parenting behavior, evolution, and more. (04-08) Houghton 2015 **B,K,L,Q,C** **\$19.81**

Leaf, Christina. Platypus. (554662) il. An introduction to the platypus, including unique physical features, habitat, life cycle, and more. (08-12) Bellwether Media 2014 (AR/RC) **\$20.05**

Levy, Janey. Really Strange Mammals. (567612) il. An introduction to the world's oddest mammals around, including the naked mole rat, tarsiers, platypuses, and more. (10-13) PowerKids 2017 **L** (AR) **\$26.30**

Messner, Kate. Tree Of Wonder: The Many Marvelous Lives Of A Rainforest Tree. (639794) Mulazzani, Simona il. A book about the rainforest's abundant beauty and the wonderful multiplicity of life sustained by just one almindro tree. (05-08) Chronicle 2015 **B,L,Q** (AR) **\$19.81**

Orr, Tamra. Unearthing Fossils. (692012) il. Use the Next Generation Science Standards to identify the fossils of an ancient mammoth. (09-12) Cherry Lake 2014 **L** **\$21.89**

Owens, L. L. Life Cycle Of A Snail. (694874) il. Describes the different stages of a snail's life, including hatching from an egg, growth of its body and shell, and reproduction. (05-08) Child's World 2012 **B,L** **\$21.19**

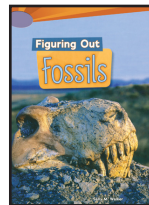
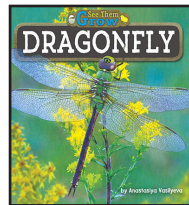
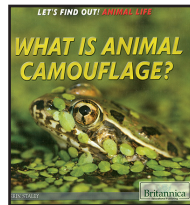
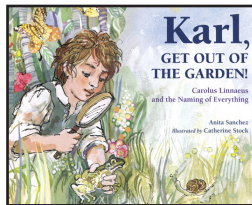
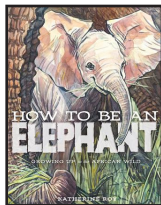
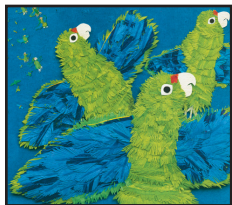
Owens, L. L. Life Cycle Of An Earthworm. (694877) il. Describes the different stages of an earthworm's life, including hatching from a cocoon, growth, and reproduction. (05-08) Child's World 2012 **L** (AR) **\$21.19**

Probst, Jeff. Outrageous Animals. (733720) il. [Bk. 1] From black widow spiders to hammerhead sharks and everything in between, find out all the fascinating facts about animals that roam the land and sea. (08-12) Puffin 2015 **Q** **\$18.41**

Rake, Matthew. Rise Of Mammals. (738180) Minister, Peter il. Discover the facts, fossils, and fun science behind the intriguing mammals of this time period, including killer pigs, the largest land mammal ever, and earliest humans. (10-14) Hungry Tomato 2016 **Q** (AR) **\$26.58**

Roth, Susan L. Parrots Over Puerto Rico. (767474) il. A combined history of the Puerto Rican parrot and the island of Puerto Rico, highlighting current efforts to save the Puerto Rican parrot by protecting and managing this endangered species. (06-10) Lee & Low 2013 **B+,K+,L+,Q+,M+,C,W+** (AR/RC) **\$21.89**

Roth, Susan L. Prairie Dog Song: The Key To Saving North America's Grasslands. (767477) il. Cumulative text based on an old folksong alternating with additional scientific information explores the role of prairie dogs, a keystone species



in North America's grasslands, and conservation efforts to restore the balance of plants and animals of the Janos, Mexico, prairie dog complex. (06-10) Lee & Low 2016 **B,K+,L+,Q+,M,W+** (AR/RC) **\$21.19**

Roy, Katherine. How To Be An Elephant. (769255) il. Follows an elephant's growth from a 250-pound newborn calf to a 7,000-12,000 pound full-grown adult. (Postponed from Fall 2016) (07-11) David McCaulay Studio **K,L+** **\$21.21**

Sampson, Scott D. You Can Be A Paleontologist! (775432) il. Explores the science of paleontology, and tells kids how to make the next big dino discovery! (07-10) National Geographic 2017 **B,K** **\$19.81**

Sanchez, Anita. Karl, Get Out Of The Garden!: Carolus Linnaeus And The Naming Of Everything. (775614) Stock, Catherine il. The life of Carolus (Karl) Linnaeus, who started off as a curious child and grew up to build the Linnaean system. (07-10) Charlesbridge 2017 **B+,K,L,M,W** **\$20.51**

Simon, Seymour. Frogs. (820351) il. A journey through a frog's life cycle, from egg to tadpole to grown frog. (06-10) Harper 2015 **K,L,Q+,M** **\$13.72**

Simon, Seymour. Insects. (820349) il. Explores the wonderful world of insects, with insects' life stages, senses, bodies, and the many different kinds, including beetles, dragonflies, bees, butterflies, and more! (06-10) Harper 2016 **B,K,Q** **\$20.51**

Spilsbury, Louise. What Is A Life Cycle? (840225) il. Features each step of the life cycle for a variety of living creatures from the first stages of development through later phases and death. (07-11) Britannica Ed Pub 2014 (AR) **\$24.34**

Staley, Erin. Animal Camouflage. (842861) il. Explains how animals trick the eye by hiding in plain sight by changing their skin texture and color, covering themselves up, or even mimicking other plants and animals. (07-11) Britannica Ed Pub 2016 (AR) **\$24.34**

Stanek, Linda. Once Upon An Elephant. (843676) Bersani, Shennen il. In every season, the elephants are there to protect the savanna and its residents--but what would happen if the elephants were only "once upon a time"? Read along to discover the important role this keystone species plays in the savanna and explore what would happen if the elephants vanished. (04-08) Arbordale 2016 **Q** (AR) **\$14.89**

Stewart, Melissa. How Does A Caterpillar Become A Butterfly?: And Other Questions About...Butterflies. (854573) il. How did the caterpillar get its name? What is metamorphosis? All of these and other "must know" questions about butterflies are answered. (07-11) Sterling 2014 **Q** (AR) **\$13.20**

Vasilyeva, Anastasiya. Dragonfly. (906484) il. Discover how an embryo becomes a nymph and then molts into a grownup dragonfly in this basic introduction to animal development. (04-08) Bearport 2017 **L** (AR) **\$20.49**

Walker, Sally M. Figuring Out Fossils. (915822) il. An introduction to fossils, our window into the past. (08-11) Lerner 2013 **L-,Q** (AR/RC) **\$27.47**

Wechsler, Doug. Hidden Life Of A Toad. (927918) il. Jaw-dropping photos capture the life cycle of the American toad from egg to tadpole to adult. (04-08) Charlesbridge 2017 **B+,K+,L,W** (AR) **\$20.51**

Wood, Susan. Skydiving Beavers: A True Tale. (963539) Frankenhuysen, Gijsbert van il. Just after WWII, the state of Idaho relocated a colony of beavers away from a burgeoning resort town by airdropping them into the wilderness. Here is the story of their successful relocation. (06-09) Sleeping Bear Press 2017 **K,W** **\$19.81**

Wright, Anna. Tower Of Giraffes: Animals In Groups. (968666) il. Introduces young readers to some of the words we use to refer to animals in a group, including drove of pigs, romp of otters, ostentation of peacocks, tower of giraffes, and more. (04-07) Charlesbridge 2015 **Q** (AR/RC) **\$20.49**
Set S18369 _____ 41 Books \$850.97

Grade 3 Earth & Space Science

Arlon, Penelope. Weather. (068316) il. A windy day. A devastating hurricane. Hailstones the size of baseballs. Discover how our weather works, from everyday calm to terrifying turmoil. (10-14) Scholastic 2013 **B,Q** (AR/RC) **\$17.01**

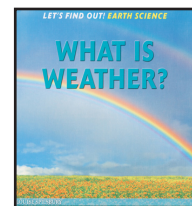
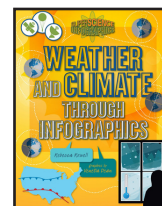
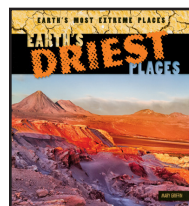
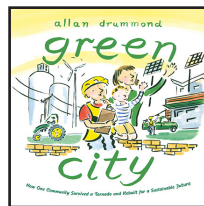
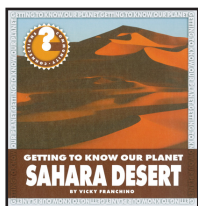
Drummond, Allan. Green City: How One Community Survived A Tornado And Rebuilt For A Sustainable Future. (290884) il. The story of Greensburg, Kansas, a town that rebuilt completely green after a deadly tornado. (05-08) Farrar 2016 **B,K,L,Q+,M+** (AR/RC) **\$20.51**

Franchino, Vicky. Amazon Rain Forest. (350850) il. Explore the Amazon rain forest and learn all about what it's like to live in this biome, from what kinds of plants and animals live there to what kinds of weather it receives. (08-11) Cherry Lake 2016 (AR) **\$21.19**

Franchino, Vicky. Antarctic Tundra. (350849) il. Explore the Antarctic tundra and learn all about what it's like to live in this biome, from what kinds of plants and animals are found there to what kind of weather it receives. (08-11) Cherry Lake 2016 (AR) **\$21.19**

Franchino, Vicky. Florida Wetlands. (350847) il. Explore the wetlands of Florida and learn all about what it's like to live in this biome, from what kinds of plants and animals are found there to what kinds of weather it receives. (08-11) Cherry Lake 2016 (AR) **\$21.19**

Franchino, Vicky. Great Barrier Reef. (350846) il. Explore the Great Barrier Reef and learn all about what it's like to live in this biome, from what kinds of plants and animals are found there to what kinds of weather it receives. (08-11) Cherry Lake 2016 (AR) **\$21.19**



Franchino, Vicky. Sahara Desert. (350845) il. Explore the Sahara Desert and learn all about what it's like to live in this biome, from what kinds of plants and animals are found there to what kinds of weather it receives. (08-11) Cherry Lake 2016 (AR) \$21.19

Furgang, Kathy. Everything Weather. (361916) il. For kids who are fascinated by hurricanes, tornadoes, lightning, clouds, bizarre weather, and more. (09-13) National Geographic 2012 \$16.99

Gregory, Josh. African Savanna. (400993) il. Explore the African savanna and learn all about what it's like to live in this biome, from what kinds of plants and animals are found there to what kinds of weather it receives. (08-11) Cherry Lake 2016 (AR) \$21.19

Griffin, Mary. Earth's Coldest Places. (402066) il. An introduction to some of the world's most fascinating and frigid places and how people manage to live there. (07-10) Gareth Stevens 2015 \$13.70

Griffin, Mary. Earth's Driest Places. (402065) il. Visit the driest places on earth, including the Atacama Desert, Antarctica's Dry Valleys, and Death Valley. Learn why rain and other precipitation are so important to people, plants, and animals. (07-10) Gareth Stevens 2015 \$13.70

Hirsch, Rebecca E. Using Climate Maps. (446848) il. An introduction to climate maps, including how they show average weather conditions--in your neighborhood, around the world, or even on Mars, and how to read them. (08-11) Lerner 2017 B,Q (AR) \$29.38

Rajczak, Kristen. Be A Meteorologist. (738177) il. Delves into the past history of meteorology as well as the modern technology that meteorologists now have to aid them. (08-12) Gareth Stevens 2015 \$15.27

Rajczak, Michael. Deadly Droughts. (738183) il. An introduction to droughts, including why they happen, how they're dealt with when they do, the devastation they can cause, and how they can be prevented with emphasis on conservation of drought-prone regions around the world, and more. (07-10) Gareth Stevens 2017 (AR) \$14.30

Robertson, Kay. Weather. (918186) il. If you are fascinated with storms test your skills with weather related math equations! (10-14) Rourke 2014 (AR) \$15.20

Rowell, Rebecca. Weather And Climate Through Infographics. (768965) Dean, Venitia il. This book covers weather and climatology, including weather-related disasters, how weather impacts us as humans, what patterns occur with weather and within different climates, and how we measure and predict those things. (08-11) Lerner 2014 L,Q (AR/RC) \$26.54

Simon, Seymour. Tornadoes. (821500) il. Find out about the strongest winds on earth, where and how they are created, and how to protect yourself from tornadoes. (06-10) Harper 2017 \$13.72

Spilsbury, Louise. What Is Weather? (840221) il. Takes an all-inclusive look at a wide range of meteorological phenomena--including clouds, rain, snow, and fog--and examines their relationship to each other in order to explain how weather works in an easy-to-grasp way. (07-11) Britannica Ed Pub 2014 (AR) \$24.34

Witiw, Sebastian. Earth's Hottest Places. (958665) il. Presents Death Valley, the Sahara, and Ethiopia in this trip around the globe in search of Earth's hottest places. (07-10) Gareth Stevens 2015 \$13.70

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Grade 3 Engineering Design

Aloian, Sam. How A Car Is Made. (054529) il. Explains how cars are made from the design phase in an engineer's office to the floor of a factory where it is assembled piece by piece by both people and machines. (07-11) Gareth Stevens 2016 L (AR) \$14.30

Brown, Jordan. Innings And Outs Of Baseball. (158189) Downey, Dagney il. Learn the fascinating science behind baseball. (06-08) Simon Spotlight 2015 (AR) \$19.81

Drummond, Allan. Green City: How One Community Survived A Tornado And Rebuilt For A Sustainable Future. (290884) il. The story of Greensburg, Kansas, a town that rebuilt completely green after a deadly tornado. (05-08) Farrar 2016 B,K,L,Q+,M+ (AR/RC) \$20.51

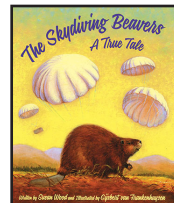
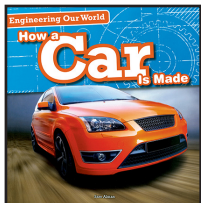
Enz, Tammy. Super Cool Construction Activities With Max Axiom. (312057) il. Super Scientist, Max Axiom, presents step-by-step photo-illustrated instructions for building a variety of structures and contraptions. (08-14) Capstone 2015 \$22.61

Felix, Rebecca. Cool Engineering Projects: Fun & Creative Workshop Activities. (328394) il. Presents easy-to-read, step-by-step instructions paired with photographs to teach readers how to build a colorful working catapult, assemble a simple-machine maze, and more! (09-12) Checkerboard Library 2017 Q \$21.89

Fretland VanVoorst, Jenny. Artificial Satellites. (355946) il. Carefully leveled text and photographs introduce early fluent readers to the science and engineering behind artificial satellites. (07-10) Pogo 2017 (AR) \$20.49

Lakin, Patricia. Skateboards. (537714) il. Learn how skateboards are made by hand! Goes behind the scenes with skateboard craftsman Jake Eshelman. (08-12) Aladdin 2017 B,K,L \$20.51

Smith, Matthew Clark. Lighter Than Air: Sophie Blanchard, The First Woman Pilot. (827268) Tavares, Matt il. The story of Sophie Blanchard, an extraordinary woman who was the very first female pilot in history. (06-09) Candlewick 2017 B+,K,L,W (AR/RC) \$19.81



Ward, D. J. (David John). Simple Machines. (920311) Lowery, Mike il. A fascinating exploration of the six simple machines--the lever, the wheel-and-axle, the pulley, the ramp, the wedge, and the screw. (04-08) Harper 2015 Q (AR) \$13.72

Wood, Susan. Skydiving Beavers: A True Tale. (963539) Frankenhuysen, Gijsbert van il. Just after WWII, the state of Idaho relocated a colony of beavers away from a burgeoning resort town by airdropping them into the wilderness. Here is the story of their successful relocation. (06-09) Sleeping Bear Press 2017 K,W \$19.81

Zuchora-Walske, Christine. Weather Robots. (985274) il. What kind of robots fly into the atmosphere to help scientists predict the weather? Or monitor our climate by taking measurements in Antarctica? Weather robots! These robots give us valuable information about our environment. (05-08) Lerner 2015 Q (AR) \$25.60

Set S18371 _____ 11 Books @ \$219.06

(Prices subject to change)

Spring 2019

Reviews and Reading Program Abbreviations

B	Booklist
C	Bulletin of the Center for Children's Books
K	Kirkus Reviews
L	School Library Journal
M	Horn Book
Q	Horn Book Guide
W	Publishers Weekly
+	Starred review
AR	Accelerated Reader® test available
RC	Reading Counts® test available



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email	_____		

Ordering Method

- ☐ P. O. # _____ Date ____/____/____ Do not exceed \$ _____
- ☐ Reserve titles, await confirmation
- ☐ Firm order, no purchase order required

Processing Services

- ☐ No processing services or MARC records
- ☐ MARC records only
- ☐ Free processing package or ☐ Use processing on file
- ☐ Use bar code range on file
- ☐ Starting bar code number _____
- ☐ Check if bar code number requested is lower than previous number because you are filling in gaps.
- ☐ Contact me. My automated system has been upgraded or changed since my last order.

Payment Method

- ☐ Send invoice ☐ Check enclosed ☐ Credit card

For security purposes: Do not disclose card information. We will contact you by telephone to acquire this information.

Shipping

Free shipping (Allow extra time for new Spring and Fall titles.)

- ☐ Standard (Ship immediately, continue to ship as available. Backorders are canceled 60 days from the date the order is received.)
- or

- ☐ Special handling Number of shipments ____ Date order must be completed ____/____/____

No shipments between these dates ____/____/____ to ____/____/____ (summer, holidays, etc.)

- ☐ Send a Replacement Catalog

(Prices subject to change)
Spring 2019

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Also available at www.btsb.com