

Title	Author, Pub. Date	Supports topics...	Special features
Actual Size	Jenkins, Steve. 2004.	Science and math: Unusually large book format allows depiction of the actual size of many creatures, including specified measurements	Back pages provide further facts about each entry with full body images, even though reduced in size
Albino Animals	Halls, Kelly Milner. 2004. Darby Creek Publishing. A Junior Literary Guild Selection.	The rare phenomenon of albinism occurs in many species of animals and even in plants. Remarkable photos are credited and the text, as is typical for Hall, is compelling, clear, and fascinating.	authoritative back matter: index, bibliography (also cites interview sources and web sites referenced), glossary, and a message from the author.
Animal Acrostics: A Word in Edgewise	Harley, Avis. 2009. Photography by Noyes, Deborah. Candlewick.	Begins with a poetic description of acrostic poems, in both acrostic and rhymed verse. Amazing African animals are shown, named, and the acrostic is based on a descriptive or other related phrase.	Back pages offer "More About Acrostics, Two pages of nature facts about the animals portrayed, and a note from the photographer.
Animal Poems- Poetry for Young People Series	Edited by Hollander, John. Ill. by Mulazzani, Simona. Scholastic. 2004	Anthology: annotated poems about animals by classic/timeless poets. Illustrations are colorful and appealing, evoking appropriate moods and enhancing interpretation along with the notes.	Table of contents provided as well as an index listing both authors and titles. Selection of poems suits children, notes not only clarify context but are somewhat biographical.

<i>Animalia</i>	Base, Graeme. 1986. Abrams.	A classic alphabet book with elaborate depictions of animals beginning with each letter of the alphabet, worthy of hours and hours of exploration and research.	Could be the launch pad for investigations, research, and reports on the "lesser known" animals. Pair with "Ubiquitous" for comparing common/uncommon animals.
<i>Animals Nobody Loves</i>	Simon, Seymour. 2001	Science: Twenty typically repellent creatures are shown in dramatic photo display with several paragraphs packed with amazing facts, myths are dispelled.	Simon writes about science effectively, accessibly. Many titles and levels. Introduction, and the last page asks if your mind has changed by the facts.
<i>(The) Ants go Marching</i>	Ill. Scherer, Jeffrey. 2002	Counting, number order	Sing and read option with familiar text
<i>Are You A Horse?</i>	Rasch, Andy 2009. Arthur A. Levine Books	Basically a silly story, very well done, but could easily be used to exemplify critical traits that make separate various species, categorizing.	Combine with "Rookie Read-About" titles in their science series: What Makes a _____ a _____?

<p><i>Arithme-tickle: An Even Number of Odd Riddle Rhymes</i></p>	<p>Lewis, J. Patrick. 2002.</p>	<p>Each page of rhyming riddles offers a unique challenge, with the answer written at the bottom in mirror image- allowing a simple connection.)</p>	<p>Encourages working with math as a fun, curious, challenging, exciting activity.</p>
<p><i>At the Supermarket</i></p>	<p>Rockwell, Anne. 2010 (30th anniversary edition- new artwork)</p>	<p>Categories, item counting, categorizing/sorting, part/whole, same/different; economics links, community</p>	<p>Simple, clear art allows counting, sequencing, prediction, and related math using actual ads for similar items</p>
<p><i>Beatrice's Goat</i></p>	<p>McBrier, Page. 2001.</p>	<p>Economics, animal husbandry, geography, cultures. A girl's life is changed=when her family receives a goat and the necessary training to help it thrive.</p>	<p>Beatrice has no graduated from college. The Afterward (Hillary Rodham Clinton) describes Heifer International programs. Website easily found.</p>
<p><i>(The) Best of Times: Math Strategies That Multiply</i></p>	<p>Tang, Greg. 2002.</p>	<p>Rhyming/visuals of various patterns are used to demonstrate & practice "smart steps" to count/arrive products when counting equal groups. Riddles challenge but provide clues.</p>	<p>Extensive back matter displaying charts, arrays, problem solutions, number patterns, etc.</p>

<i>Biggest, Strongest, Fastest</i>	Jenkins, Steve. 1995.	Science and Math: scaled size, comparisons, concrete references for large and small number values.	Back page provides a chart for the animals presented, noting their records, sizes, diets, and ranges.
<i>Big Rig Bugs</i>	Cyrus, Kurt. 2010. Walker Publishing Use with other Kurt Cyrus titles (Pest, Fest, Grasshopper Opera, etc.)	Minimalist text in sharp, snappy rhyme, portrayed with uniquely close-up perspective (with views of construction equipment in the distance). Even though images are colorful/humorous, they are scientifically correct.	Terrific images/descriptions of decomposers at work. Very effective verse, power words, action verbs.
<i>Bird, Butterfly, Eel</i>	Prosek, James. 2009.	Science: life cycles of eel, barn swallow, and monarch butterfly. Habitat, food chains, seasons.	Back pages provide "real facts" about each, including line sketches of various stages. End papers have intricately detailed images.
<i>Bones and Muscles: A Smart Words Reader</i>	Scholastic. 2011.	A commercial production intended to introduce, explain, demonstrate, and apply terminology specific to the study of bones and muscles. "Smart words" are featured on various pages with excellent illustrations	Back matter includes application challenges, a glossary with accessible definitions, and an index.

<i>BOOM BOOM Go Away!</i>	Geringer, Laura. 2010	Science: Sound unit- shows various ways sound is made, represents volume, pitch, etc. through font size and invented words.	End papers: objects/sounds. Opportunities for counting, comparing, ranking volume based on font size
<i>Bubble Homes and Fish Farts</i>	Byrock, Fiona. 2009. Ill. by Conahan, Carolyn. Charlesbridge Press.	Each double-page spread provides lively/appealing illustrations of a critter and habitat, including common/scientific names. Text tells how bubbles are made and used for adaptation/survival.	Bonus pages at the back feature additional "bubble-makers", along with a simple but scientifically accurate glossary, impressive acknowledgments, & special thanks for great illustrations
<i>Bugs A to Z</i>	Lawton, Caroline. 2011. Scholastic.	Each upper case letter introduces two "bugs" along with a few simply stated scientific facts. The bonus is the remarkable close-up photographic images of multiple varieties of the insects described.	Terrific alphabet book for science. Very high interest pairs with text that is accessible for early readers and images that contain vast amounts of information.
<i>Butterfly Is Patient (A)</i>	Aston, Dianna Aston. 2011. Illustration by Long, Sylvia. Chronical Books- part of the series: An Egg Is Quiet and A Seed Is Sleepy	Intricate and phenomenal illustrations with science labels and accessible but precise text make this title and the series "must haves" in every classroom (and family).	Both informative and poetic- offers details, answers, and inspiration to readers young and old.

<i>Cactus Hotel</i>	Guiberson, Brenda Z. 1991.	Science: narration/description of various desert creatures as their paths intertwine, indicating the sights, sounds, patterns, foods, predators and other threats there.	Some of the creatures presented are commonly portrayed on this topic, some are more unusual. See her book: Cactus Hotel.
<i>Chameleons</i>	Cowley, Joy. 2005.	Science: Simple but precise and entertaining text combine with amazing photos (including stop-action shots) to reveal many facts about chameleons at a very readable level.	Back matter: Several pages of "Did you know" text expands on the facts and details. A final page describes the photo techniques used.
<i>Chameleons Are Cool</i>	Jenkins, Martin. 1997.	Science: Conversational language that mixes first/second person voice and narrative style combines with highly detailed and accurate drawings to provide many facts about chameleons.	An index is simply organized, with a short note reminding that two font styles throughout the book can offer different types of content.
<i>Creepy Creatures</i>	Collard, Sneed B. III. 1992.	An array of familiar creatures (often misrepresented in scary movies, stories, etc.) are depicted in their habitats with scientific information that is every bit as scary as fiction.	No table of contents or index, glossary, which would have been helpful.

<i>(The) Cuckoo's Haiku</i>	Rosen, Michael. Ill. by Fellows, Stan. 2009.	Poems about birds are grouped by seasons; illustrations are artful but zoologically accurate, including habitats; incidental opportunities for counting.	Illustrator's field notes supplement information. Back pages add effective notes about each bird, as well as notes about poems.
<i>Diary of a Worm</i>	Cronin, Doreen. 2003. Scholastic. Pictures by Bliss, Harry.	Using a silly, anthropomorphic approach to worms, this portrays many facts about earthworms and provides a basis for reader analysis/sorting of fact/fantasy.	Several "Diary of" books have been developed based on various life forms.
<i>Digging Up Dinosaurs...and putting them together again.</i>	Ailiki. Originally 1981.	Science: In characteristic mixed format, narrative text, speech bubbles, sidebars, inserted panels and appealing illustrations make complex terms and facts comprehensible.	Ailiki authored many titles in this "Let's Read and Find Out" series.
<i>Dinosaur Bones</i>	Barner, Bob. 2001. Chronicle Books.	Boldly illustrated double page spreads suit the large simple text across the top of the page but also enrich the smaller more detailed text on the lower portion of each page. Simple text lines have end rhymes.	Introduces paleontology and scientific investigation as a source of current information. Includes definition statements, hypothesis, and content that connects to other topics.

<i>Dinosaur Mummies: Beyond Bare Bone Fossils</i>	Halls, Kelly Milner. 2003. Darby Creek Publishers	(Pair with Dinosaurs of Waterhouse Hawkins!) most fossil records are bones or bone imprints. This documents rare findings of mummified remains which "flesh out" the picture of what dinosaurs were like.	authoritative back matter includes index, bibliography, glossary, paleontologist profiles, dig sites, and videos (also cites interview sources and web sites)
<i>Dinosaurs of Waterhouse Hawkins (The)</i>	Kerley, Barbara. 2001. Pictures by Selznick, Brian. Scholastic Press.	"A true dinosaur story in three ages", telling the story of a remarkable character who popularized dinosaurs at a time that they were totally unknown.	The layout of this book is done in playbill and staging style with showmanship that reflects Hawkins' style and panache` .
<i>Do All Spiders Spin Webs?: Questions and Answers About Spiders.</i>	Berger, Melvin and Gilda. 2000.	Science: 48 pages of questions/answers about spiders are filled with information "kids want to know" (and adults, too!) Illustrations with labels, correct scientific terms.	One of the titles in the Scholastic "Question and Answer" series.
<i>Earthshake: Poems from the Ground Up</i>	Peters, Lisa Westberg. 2003. Greenwillow.	Geology poems (of all things?) which launch new information and questions, but also grow richer and more meaningful once background knowledge is provided.	Illustrations and Endnotes extend the science even further, providing ample reason to go back to read again/look again.

<i>(An) Egg Is Quiet</i>	Aston, Dianna. 2006. Ill: Long, Sylvia.	Science (with language links): every accurately depicted egg is also accurately labeled, with a series of adjectives (traits), including brief text on various pages. Notes assure accuracy related to scale, etc.	End papers are egg patterned, with an addition set of front end papers including labeled eggs in scales size, and extra back end-papers with labeled adults
<i>Elements (The): A Visual Exploration of Every Known Atom in the Universe</i>	Gray, Theodore. 2009. Black Dog and Levanthol Publishers	Remarkable, colorful photographic images of materials made of each element are paired with challenging (and white) text on black pages in the manual from the universe.	This is a remarkable presentation of the matter from which everything is made. Clearly meant for upper grades/MS/HS, it could easily be a favorite of anyone with an eye for science
<i>Fantastic Frogs</i>	Robinson, Faye. 1999	Very simple text (Scholastic beginning readers Level 2) in kid-friendly verse shows the variety, diet, habitat, and distinctions of 33 frog varieties. Illustrations are accurate and appealing, easy to compare.	back pages include each variety with its label, and inside back cover provides fluency practice list for words with -ight, -ay, and -op rimes, along with five high-use words.
<i>Farm</i>	Cooper, Elisha 2010. Orchard Books.	Fantastic horizontal, wide format double-page spreads allow expansive understanding of the setting, activities, participants, social role, and cycles of what appears to be an American style farm.	Combine with many other titles, but be sure to include this book. Simple text, includes a glossary, accurate descriptions and names of tools, equipment, etc.

<i>Flashy Fantastic Rain Forest Frogs</i>	Patent, Dorothy Hinshaw. 1997. Ill: Jubb, Kendahl Jan	Each page develops a basic focus or fact in a paragraph or two, enhanced by dense, detailed illustrations. The sequence of information is organized to support increasingly complex information.	Index is very helpful in readily locating specifics. Very accessible text, yet intensely rich with visual and descriptive content.
<i>Flip, Float, Fly- Seeds on the Move</i>	Macken, JoAnn Early.2008.	Includes artful and accurate images of plants, seeds, parts, habitats; names and labels are accurate but accessible.	Back pages include a picture/glossary and author notes about seeds- summarizes the text effectively.
<i>Frog Alphabet Book (The)</i>	Pallotta, Jerry. 1990. Trumpet.	Familiar (Spring peeper) and unique (Knocking sand frog) amphibians are depicted in natural habitats with simple descriptive text, often explaining the name choices.	Last page notes three orders of amphibians with simple descriptions. Check other titles by Jerry Pallotta. Many appealing and reliable titles. Try pairing with Fantastic Frogs.
<i>Golden Numbers: A California Number Book</i>	Domeniconi, David. 2009. Ill. by Carroll, Pam. Sleeping Bear Press.	Designed in the style of Sleeping Bear Press Alphabet books, numbers 1-12, then 20, 30, 40,...90 use iconic and less familiar "state traits" with illustrations and simple text, enriched by detailed sidebars.	Reflecting elements of nature, culture, history, economics, business, etc. this book has many applications in math, science, social studies, and could spur local imitations.

<i>(The) Grapes of Math: Mind-stretching math riddles</i>	Tang, Greg. 2001.	Rhyming/visual displays of various patterns are used to demonstrate/practice "smart steps" to count/arrive at sums.	Back pages repeat each image and strategy, using lines/loops to clearly show that observing patterns provides more efficient/accurate counting.
<i>Great Estimations</i>	Goldstone, Bruce. 2006.	Photo images of familiar objects/scenes are used to develop realistic and effective strategies for estimating large numbers.	"Hint" boxes at the bottom of many pages are helpful and effective scaffolds to independence.
<i>(The) Great Kapok Tree: A Tale of the Amazon Rainforest</i>	Cherry, Lynne. 1990.	Science: Cherry's characteristic format includes front matter, labeled maps/margins, keys; compelling story rich with multi-sensory detail and scientific information about ecosystems.	Although data are outdated, this serves as a valuable insight to the ongoing issue of global warming and deforestation.
<i>Greedy Triangle (The)</i>	Burns, Marilyn. 1994. A Marilyn Burns Brainy Day Book/Scholastic	geometric ploygons are shown/named/described/ explained as a greewdy triangle continually wants to add more and more sides, changing itself to other polygon forms with each addition.	Check out any/all titles by Marilyn Burns, as well as her teacher-support books and articles.

Haiku Hike	Fourth Grade Students of St. Mary's Catholic School in Mansfield. MA. 2005. Scholastic. (A "Kids Are Authors" Award title.)	A group of "bored" students take a nature hike, producing helpful field notes, haiku compositions, and revealing careful observation of the environment.	back matter includes directions for writing haiku, several blank "notebook" pages, and even information about entering the annual "Kids Are Authors" contest.
(The) Hershey's Milk Chocolate Fractions Book	Pallotta, Jerry. 1999.	Similar to Swizzles, each page displays a fraction value in numerals and words, using pieces of a Hershey bar to demonstrate. Involves equivalents and allows opportunities for comparisons.	Page displays fractions in twelfths, fourths, thirds, and halves. Midway, other objects/groups are used to confirm the concept of how fractions are named.
Hibernation Station	Meadows, Michelle. Ill.by Cyrus, Kurt. 2010. Simaon and Schuster Books for Young Readers. See other Kurt Cyrus titles.	Minimal but fun rhyming text tell a story of various animals on an imaginative woodland train to hibernate.	Despite animals in pajamas, their physical details/markings are accurate, although several are predators of the others. Author note compares hibernation and long sleeps.
The Hidden Forest	Baker, Jeannie. 2000. Greenwillow Books.	A swirly and suspenseful view of the underwater kelp forests through the eyes of a fascinated but frightened boy is shown in a blend of photographic and mixed media images in a collage effect characteristic of Baker's books.	Unlike Baker's books <u>Window, Home</u> , and others this book includes text. Still a challenging insight to the story told by pictures/details of our live

Home	Baker, Jeannie. 2004. Greenwillow Books.	Home is a series of views through a window facing the yard and community. The passing years reveal changes in the setting, thus implying much about the residents.	Pair with Baker's books <u>Window</u> and others for a challenging insight to the story told by pictures/details of our lives
Hosie's Zoo	Pictures by Baskin, Leonard. 1981. Viking Press. Verse by Tobias, Hosea, Lucretia, and Lisa Baskin	Familiar and exotic beasts are painted in remarkable portraits, with accompanying names and 2-4 line poetic verse which reveal further facts about the habits/science of each animal.	Part of series: Hosea's Alphabet, Hosea's Aviary.
Hotel Deep: Light Verse from Darl Water	Cyrus, Kurt. 2005. Harcourt, Inc. See other Kurt Cyrus titles for other science study topics	Paintings are luminous, delicate, intricate, and even scientifically accurate to a degree. Combined with effective rhythmic rhyming verse extensive science info about life forms in the ocean.	Each page details individual species, but an underlying issue with the sardine threads its way throughout these to an effective conclusion. Back page labels each portrayed species
How Many Blue Birds Flew Away: A Counting Book With a Difference	Giganti, Paul, Jr. 2005. Pictures by Crews, Donald. Greenwillow Books.	A terrific compilation of questions and images in which the language of "story problem" subtraction questions applies in very practical and believable ways.	Consistent with Donald Crews's other math books, images and text are easily read/analyzed, but present more challenging arrays/layouts of images than in his simpler works.

<i>How Many Feet, How Many Tails? A Book of Math Riddles</i>	Burns, Marilyn. 1996. Hello Math Reader Series/Scholastic	Various riddles allow problem solving using a variety of strategies- working backwards, making a chart, drawing a picture, multiplying and dividing, etc.	Messages to parents support adults in working through the approaches with children, including ways to create math riddles as a family game.
<i>How Many Seeds in a Pumpkin?</i>	McNamara, Margaret. 2007.	Math/science: identifiable character deals with always being the smallest, but a class project to count seeds in a pumpkin yields a surprise resolution.	Back pages provide pumpkin facts as well as a note from "Mr. Tiffin" about estimation, pollination, growth patterns of plants.
<i>If America Were A Village: A Book About the People of the United States</i>	Smith, David A. 2009. Kids Can Press. Ill. Armstrong, Shelagh	(Math) Citizen Kid Series: Compresses the statistics about the USA's population to an analogy of a village of 100 people. Deals with ethnicity, language, resources, culture, economies, education, more.	Table of contents/topics for each double page spread; back matter includes elaboration to adults from the author, as well as notes on sources and resources. Distinguishes USA/America
<i>If Dogs Were Dinosaurs</i>	Schwartz, David M. 2005. Activities provided on his website: www.davidmschwartz.com	Proportion/relative size are visually and effectively shown and described. Author note at the front launches a series of hypotheticals/comparisons. Characteristic humorous appeal.	Math and science developed well in text, but back matter deals directly (and simply) with the number relationships/scales.

<i>If I Built a Car</i>	Van Dusen, Chris. 2005. (Written/Illustrated) Dutton Children's Books	Begins with images that could be from the 1960's, Jack is an imaginative boy whose approach to car design rivals that of the Jetsons. Large format and colorful, and thoroughly appealing. Sparks imagination.	Venn diagram with current cars to see which innovations did develop, to see which things present day cars have that Jack didn't consider (even though pub. Date is 2005)
<i>If the World Were a Village: A Book about the World's People</i>	Smith, David A. 2002. Kids Can Press. Ill. Armstrong, Shelagh	(Math) Citizen Kid Series: Compresses the statistics about the world's population to an analogy of a village of 100 people. Deals with ethnicity, language, resources, culture, economies, education, more.	Table of contents/topics for each double page spread; backmatter includes elaboration to adults from the author, as well as notes on sources and resources.
<i>If You Hopped Like a Frog</i>	Schwartz, David M. 2005. Activities provided on his website: www.davidmschwartz.com	Proportion/relative size are visually and effectively shown and described. Author note at the front launches a series of hypotheticals/comparisons. Characteristic humorous appeal.	Math and science developed well in text, but back matter deals directly (and simply) with the number relationships/scales.
<i>If You Made A Million</i> See also <i>Millions to Measure</i>	Schwartz, David M. Ill. by Kellogg, Steven. 1989	Classic, timeless blend of fantasy images, appealing characters, and realistic depictions of coins, bills, names, numerals develop number sense, comparisons, and economics.	Back pages elaborate on money, banks, interest, checking accounts, loans, taxes. We can hope for another in this series to deal with credit/debit cards.

<i>If You Were A Penguin</i>	Minor, Wendell and Florence. 2009. Scholastic.	A simple rhyming verse is used to describe the varieties, behaviors, habitats, diet, and predators of penguins in very few words. Appealing and fanciful illustrations incorporate accurate images.	Use with Penguins, Penguins, Everywhere!
<i>Iggy Peck, Architect</i>	Beaty, Andrea. 2007. Ill. by Roberts, David. Abrams books for Young Readers.	Oversized, richly detailed, funny story of Iggy, who began at age 2 to build things- very compel and remarkable struictures of every kind. Teacher bans the topic until his skills save the class and he becomes resident expert.	In tight/effective verse with specific and challenging vocabnulary and art references, text balances the remarkably structural and creative illustrations that require careful examination.
<i>(The) Iguana Brothers: Presenting a Tale of Two Lizards</i>	Johnston, Tony. Ill. by Teague, Mark. 1995.	Science: A unique tale of friendships, with some Spanish word insertions; ecosystem/habitat and its inhabitants	This is the type of story that offers opportunities for science connections, to be revisited when the topic suits.
<i>I Love Bugs</i>	Dodd, Emma. 2010. Orchard Books (Great Britain)	Simple but strong text (leapy, slimy, crawly, spiky, etc.) pair with illustrations, word placement, rhyming elements, and text size to reveal much more scientific content than appears at first glance.	Careful use of "bugs" rather than insects in word choice allows this book to be used effectively in a science study of insects, decomposers, food chains, etc.

<i>Insect Detective</i>	Voake, Steve. 2009. Ill. by Voake, Charlotte. Candlewick	Science: Another example of parallel text, using size variation in font, artful but scientifically revealing illustrations, and second person voice to engage the reader.	Back pages include a simple index, font clues, and "insect detective" challenges to the reader.
<i>It Was Halloween Night: A Scary Math Story with Tangrams</i>	Maccarone, Grace. 2001. A Hello Math Reader book/Scholastic	Tangrams given as a Halloween treat take on various forms to add to the "scary" events of the night.	Multiple titles involve tangrams, the most well-known being "Grandfather Tang's Story: A Tale Told with Tangrams" by Ann Tompert.
<i>Kakapo Rescue: Saving the Life of the World's Strangest Parrot</i>	Montgomery, Sy. 2010. Houghton Mifflin. Photography by Nic Bishop. Winner of 2010. Winner-Robert F. Siebert Medal for Non-Fiction.	This rarest, heaviest, flightless, underground-nesting parrot of New Zealand was nearly extinct and is still greatly threatened. The history, research, interventions, and ongoing study make a compelling read.	Amazing photographs are an equal part of the storytelling. Back notes include index, bibliography, and contacts to learn more about helping to save the Kakapo.
<i>Little Skink's Tail</i>	Halfmann, Janet. 2007. Sylvan Dell Publishers. Ill. by Klein, Laurie Allen. Winner 2009 Teachers' Choice Award, also Mom's Choice Award Honoring Excellence.	Simple story reflecting Skink's thoughts as he loses his tail to escape capture, imagines having tails of other types, and eventually realizes he has regrown his tail. Observation, adaptation, functionality.	Sylvan Dell offers supportive teaching activities on the website; back pages include activities to identify animal footprints, use a coordinate map, etc.

<i>Living Sunlight: How Planets Bring the Earth to Life</i>	Bang, Molly. And Chisholm, Penny. 2009.	Science: The sun narrates its own story in first person, following the cycle of food development into human life. Illustrations are richly detailed, lively, and consistently luminous.	Simple narrative is elaborated with high quality text, including chemical formula for respiration and photosynthesis, as well as further explanatory notes.
<i>Look to the North: A Wolf Pup Diary</i>	George, Jean Craighead. 1997.	Science: Seemingly simple, text incorporates poetic, fictional, botanical, and illustrative content leading a careful reader to discover seasonal, life cycle, and behavioral patterns of wolves.	Introductory page: message from the author. Her website reveals the extent to which she has dedicated her life to preserving nature/species.
<i>Mammoths on the Move</i>	Wheeler, Lisa. 2006. Ill. by Cyrus, Kurt. Harcourt, Inc.	Effectively paced rhyming text describes the size, habits, food patterns, migration, and locations of woolly mammoths. Uses accurate language (tundra, steppes, carnivore, etc. but also colorful, creative word play.	Includes many scientific specifics, but no back matter or reference/resource lists are provided. Author note a front is helpful, but limited.
<i>Manfish: A Story of Jacques Cousteau</i>	Berne, Jennifer. 2008. Chronicle Books. Ill. by Puybaret, Eric.	Biography beginning in Cousteau's childhood fascination with the coast, portrays his challenges, accomplishments, and the impact he made on science/environment.	Back page offers more facts and resources. Illustrations and "floating" text, some in cursive font, require careful attention to read.

Mary Anning: Fossil Hunter	Walker, Sally M. 2001. Scholastic. Ill. by Saaroff, Phyllis V.	Simple biography of a young British girl who changed the scientific world with her talented investigations of "curiosities", later to be known as fossil records for science study.	Connections to history, timelines, maps, etc. but serves best as a model of scientific investigation and as a role model of a self-determined female scientist.
Math Appeal: Mind-Stretching Math Riddles	Tang, Greg. 2003	Rhyming/visual displays of various patterns are used to demonstrate/practice "smart steps" to count/arrive at sums.	Back pages repeat each image and strategy, using lines/loops to clearly show that observing patterns provides more efficient/accurate counting.
Math Curse	Sciezka, John and Smith, Lane. 1995.	Typically intense and complex, page after page includes terminology, processes, concepts, relationships and challenges told in the first person voice of a math-phobic student.	Definitely for older students, the visuals and rate of presentation may be overwhelming for some, but is also intriguing. Lends itself to peer partner work.
Math for All Seasons: Mind Stretching Math Riddles	Tang, Greg. 2002.	problem-solving ids modeled using multiple approaches, strategic use of groups/patterns, shortcuts to adding/subtracting, and solving larger problems by simplifying/analogy.	Intro note to the reader summarizes the purpose/objective for the book. Final pages repeat the images, show patterns with loops/lines and notes.

<i>Math-masterpieces: The Art of Problem Solving</i>	Tang, Greg. 2003	Tang's typical rhyming riddles/clues about math solutions are linked to well-known paintings by notable artists. Titles/artist name provided.	Solutions are provided/explained/demonstrated in the back pages. In addition, helpful art notes about the various styles promote interest.
<i>Me...Jane</i>	McDonnell, Patrick. 2011. Little, Brown and Company.	A biography of Jane Goodall in less than a hundred words? This award-winning picture book tells of Jane's early years and her dreams of a life lived with primates in the wild.	Child-like illustrations reveal insights to Jane as a child and scientist. Backmatter elaborates on her impact on the world of science. A powerful "Message from Jane" is for adults and children
<i>Miss Rumphius</i>	Cooney, Barbara. 1982. Puffin Books.	A young girl sets her goals on a life of travel, discovery, and independence at a time when women's roles were more strictly limited.	With connections to maps/geography, this story also links to plant study, habitats, seed propagation, and even math (exponential growth).
<i>Monster math School Time</i>	Maccarone, Grace. 1997. A Math Reader- Level One/Scholastic	A school day sequence is told in verse/pictured, including analog clock faces showing the time for the hours (o'clocks) and events of a school day.	Pair with other "time" titles depending on level of student need and content of the unit.

<i>Moon Dreams</i>	Martin, Ruth. 2010. templar Books. Ill. by Latyk, Olivier	Luna's fantastical adventure to explore her beloved moon could launch a scientific study of the moo, its phases, patterns, etc.	Pair with Eric Carle's Papa Please get the Moon For Me.
<i>More Than One</i>	Schlein, Miriam.1996. Pictures by Crew, Donald. Greenwillow Books.	One is one. Except when it is not... as in one pair, or one dozen. One can also be different- as in one family having different numbers of members from another.	Vivid/easily counted illustrations characteristic of Donald Crews. Combine with Ruth Heller's A Cache of Jewels for a discussion of collective nouns.
<i>Mysteries of the Mummy Kids</i>	Halls, Kelly Milner. 2007. Darby Creek Publishing.	The process of mummification and the various reasons for it are introduced, with specific examples and histories organized by continent and Egypt, specifically. Fascinating, but surprisingly un-creepy.	authoritative back matter: index, bibliography (also cites interview sources and web sites referenced) and "Mummy Miscellany" identifying USA sites for the public to view mummies.
<i>Numblers</i>	MacDonald, Suse and Oakes, Bill. 1988	Numerals transform into other figures which incorporate some versions of the numeral. Number words are clearly printed.	Back pages present the simplified numerals within each figure- showing that the five figure uses five 5's, seven 7's, etc.

<p><i>Oddhopper Opera: A Big's garden of Verse</i></p>	<p>Cyrus, Kurt. 2001. Harcourt. See other Kurt Cyrus titles: Pest Fest, Big Rig Bugs</p>	<p>Appealing verse incorporates quality word choice, spiraling text placement, repetition, rhyme, specific nouns and active verbs with figurative language to depict life in a garden. Accurate illustrations/detailed humor.</p>	<p>Perfect choice for plant/insect/food chain/habitat study. Also structured to reveal the hatch/growth/adult/reproduction/hibernation-dormant life cycles of garden life.,</p>
<p><i>On Beyond a Million: An Amazing Math Journey</i></p>	<p>Schwartz, David M.1999.</p>	<p>Cartoon format allows characters to explore/compare very large numbers, with side bars used throughout to insert examples, numeric notations, etc.</p>	<p>Typical of Schwartz books, science and math are successfully and effectively intertwined in appealing format; many layers/levels.</p>
<p><i>On the Scale: A Weighty Tale</i></p>	<p>Cleary, Brian P. 2008. Milbrook Press. Ill. by Gable, Brian.</p>	<p>Colorful cartoonish characters illustrate the descriptions/definitions in simple rhyming verse. Cumulative information and quick transitions mean this could be used to introduce, review, or repeat.</p>	<p>Part of a series- each focuses on a particular skill/concept- each part of speech, math concepts, etc.</p>
<p><i>One Grain of Rice: A Mathematical Folktale</i></p>	<p>Demi. 1997.</p>	<p>A young girl's understanding of the exponential power of doubling allows her to save her starving people by asking for a single grain of rice, double daily for thirty days.</p>	<p>The last page is set up like a calendar, showing the number of grains provided each day. A challenge question at the bottom of the page is typical of Demi.</p>

<i>One Tiny Turtle</i>	Davies, Nicola. 2001. Ill. Chapman, Jane	Science: Simple readable text addresses the reader and follows a baby turtle through a life cycle. Each page includes added facts in rolling smaller text that buses correct terminology. Science through narrative, well done.	An intro page before the title page explains the basic science of turtles. Index makes info accessible, along with a note about the two kinds of font/layout used.
<i>Orange in January (An)</i>	Aston, Dianna Hutts. Scholastic. 2007. Ill. by Maren, Julie.	Beginning with bees pollinating orange blossoms, and orange's path is followed across country to the market and the consumer. With vivid illustrations the amazing path and geography come alive to young readers.	Links to science, economics, maps, habitats.
<i>Ordinary Mary's Extraordinary Deed</i>	Pearson, Emily. 2002. Ill. by Kosaka, Fumi. Gibbs Smith Pub.	Math: A "pay it forward" story in which mathematical progression of a single kind deed, repeated by each recipient five times over, extends quickly beyond the estimated total population of the world.	The math is incorporated in some of the final pages of the story, assuring that it is not overlooked by the reader as it might be if tucked into separate back matter.
<i>Owen and Mzee: The True Story of a Remarkable Friendship</i>	Hatkoff, Isabella. Hatkoff, Craig. Kahumba, Dr. Paula. 2006.	True story of how a hippo and a tortoise found each other in dire circumstances and provided the companionship and support each needed to survive.	Back pages include maps, species information, discussion of the likely future for the animals. A discussion guide is available.

<i>Penguins, Penguins, Everywhere!</i>	Barner, Bob. 2007. Scholastic.	A simple rhymed verse and colorful, fanciful pictures encompass many facts and accurate depictions of the various species of penguins. Short text contains some challenging words, but accessible to most.	"Penguin puzzler" pages at the back add information. "Penguin parade" pages provide an album of the various penguins illustrated along with names, locations, and sizes.
<i>(The) Penny Pot</i>	Murphy, Stuart. 1998.	Coin counting, embedded in a story about cooperation. Coins are realistically drawn, counting is labeled, and coin words are used in the text.	Both sides of coins are used in various illustrations; potential for mental math is provided; scaffolded images guarantee success.
<i>Pest Fest</i>	Durango, Julia. Ill. by Cyrus, Kurt. 2007. Simon & Schuster Books for Young Readers See other Kurt Cyrus Titles	In rapid-paced rhyming dialogue complete with comical and accurate names, word play, puns, etc. bugs of all types prepare to compete for the "best pest" prize. Humorously accurate illustrations from odd perspectives.	perfect for any study of insects, decomposers, food chains, etc. as well as work with dialogue, rhymes, figurative language, and competitive behaviors.
<i>Piece=Part=Portion: Fractions=Decimals=Percents</i>	Gifford, Scott. 2009. Tricycle Press. Photos by Thaler, Schmuell	Using bold, easily recognizable photos the fraction, decimal, and percent names for equal parts are shown.	Similar in simplicity and clarity to concept titles by Tana Hoban (Shapes, Shapes, Shapes; Cubes, Cones, Cylinders, Spheres, etc.)

<i>Pigs Will Be Pigs</i>	Axelrod, Amy. 1994.	First in a series of "Pig" math books-Comical pig family encounters challenges requiring money management- counting, spending, estimating...	Back page uses words, coins, and numerals to display money steps from the story. Challenge questions/hidden puzzles. Multiple titles in the "Pigs will be Pigs" series, all on math topics.
<i>Planet Hunter (The): The Story Behind What Happened to Pluto.</i>	Rusch, Elizabeth. Illustrated by Francis, Guy. 2007. Rising Moon Books	Mike Smith's story begins early, demonstrating how he pursued science inquiry. Determination helped him find the "10th" planet. After that scientists made a new definition of planets- dropping Pluto to a dwarf planet.	Corner page inserts extend/clarify the science reference where needed. Special epilogue suggests that future scientists should follow Mike's lead and keep searching- also includes a current space man
<i>Poetrees</i>	Florian, Douglas. 2010. Beachlane Books.	Collection of 16 poems about trees/plants/plant parts. Extra large format with vertical opening allows grand displays of art that is colorful, appealing, and enhances content. Poem types vary, including shape poems, limericks, etc.	Back matter includes further expository paragraph about each labeled tree/element as well as an author's note about trees in his life. See also his Dinothesaurus .
<i>Polliwog</i>	Bronson, Tammy Carter. 2004	Story format, incorporates the life cycle of frogs, habitat, biomes. Content is presented in parallel text- English/Spanish.	Back pages depict life stages, scientific drawings, accurate labels.

<i>Pop! The Invention of Bubblegum</i>	McCarthy, Meghan. 2010. Simon and Schuster Books for Young Readers	Science: non-fiction account of the quest and haphazard process of developing bubblegum, including the reason for its typically pink color.	Readable text, colorful illustrations. Last two pages include further details about the inventor, about bubblegum, and even some archival photos. Quotes are documented.
<i>Q is for Quark: A Science Alphabet Book</i>	Schwartz, David M. 2001.	Several pages on the indicated word (A is for atom) include very dense but accessible text, while illustrated characters and drawings elaborate on the margins.	Extensive glossary is accurate and presents content in manageable language. Comprehensive index allows cross referencing
<i>Rain, Rain, Rain Forest</i>	Guiberson, Brenda Z. 2004.	Science: narration/description of various rain forest creatures as their paths intertwine, indicating the sights, sounds, patterns, foods, predators and other threats there.	Some of the creatures presented are commonly portrayed on this topic, some are more unusual. See her book: Cactus Hotel.
<i>Redwoods</i>	Chin, Jason. 2009. Scholastic.	An intriguing story-within-a-story told in pictures while the expository text about Redwoods provides fascinating information far beyond the typical basics kids have heard before.	Back page (of the book within a book) provides some further details and cautions about the impact of losing redwoods. The author's note provides a challenge to readers.

<i>Ron's Big Mission</i>	Blue, Rose., and Naden, Corrine J. 2009. Scholastic. Ill. by Tate, Don.	Astronaut Ron McNair is shown as a child, living in a time/place in which he was not allowed to check out library books because of his race. Based on a true story, he insisted on his equal status and changed the policy.	Back page provides information that this was a fictionalized account of a real incident. Also tells of his death when the Challenger exploded.
<i>Salamander Room (The)</i>	Mazer, Anne. 1991. Ill by Johnson, Steve. Alfred A. Knopf.	Darkly intense, gentle images/text show a boy who finds a salamander, takes it home to live in his room. A creative discussion with his mom describes the life needed. Great exploration of habitat/needs.	Entirely in dialogue, this text also provides a great opportunity to recognize conventions of punctuation, paragraph breaks, and quotation attribution when not stated.
<i>Saving the Baghdad Zoo</i>	Halls, Kelly Milner and Summer, Major William. 2010. Greenwillow Books	When Iraq was invaded the zoo animals were left to starve, provided an urban threat, or otherwise endangered. US Army Captain Summer made it his mission to restore the animals and zoo to health.	Bibliography, source notes, and index. Halls provides extensive documentation of research sources, as always, and her books serve as a model of authoritative non-fiction
<i>Science Verse</i>	Scieszka, Jon and Smith, Lane. 2004.	Typically intense and complex, page after page includes terminology, processes, concepts, relationships and challenges told in the first person voice of a science-phobic kid.	Definitely for older students, the visuals and rate of presentation may be overwhelming for some, but is also intriguing. Lends itself to peer partner work.

Seasons	Enchanted Lion Books, 2010.	Science: Bold, singular images with single word labels on each page present images that could be identified with a single or several seasons. Truly a unique approach; odd, but intriguing.	"Blexbolex" puzzle/challenge in this unique layout/format.
Seasons (The), Poetry for Young People series	Edited by Serio, John N., Ill. by Crockett, Robert. Scholastic. 2005.	Anthology: annotated poems relating to seasons by established poets. Illustrations are colorful and appealing, evoking appropriate moods and enhancing interpretation along with the notes.	Table of contents provided as well as an index listing both authors and titles. Selection of poems suits children, notes not only clarify context but are somewhat biographical.
Seeing Stars: Unlock the Spectacular Secrets of the Night Sky (Scholastic's SuperSmarts Series)	Muirden, James.1998	Focus on stars rather than the solar system, but done in a way that makes enormous size/distance comprehensible. Format- appealing/ user-friendly;; practice with table of contents, index, Q/A, vocabulary, math	The SuperSmart series has been discontinued, but included many science topics and they are worth getting your hands on if possible. These are "kid favorites".
Shades of People	Rotner, Shelley. And Kelly, Sheila. Scholastic. 2009.	Skin color is shown in photos of children, with vocabulary describing various tones, as well as text referencing to skin being at the surface of our bodies, serving the same purpose for all of us.	Clearly connects to social studies and human relationships, too, but the simple side-by-side comparisons are excellent for naming face and body parts, discussing "same/different"

<i>Shapes, Shapes, Shapes</i>	Hoban, Tanya. 1986.	Shapes/names on first page, then wordless-- a collection of complex photographic images (mainly urban) loaded with patterns and shapes	Tana Hoban's books offer unlimited exploration and usually require the reader to verbalize the concepts being developed.
<i>Shapes That Roll</i>	Nagel, Karen. 2009	Geometric and general recognition shapes presented, along with language describing traits	Back pages summarize the shapes presented, provide questions, and encourage review/reflection
<i>Sir Circumference and All the King's Tens</i>	Neuschwander, Cindy. 2009	Latest in a series using medieval characters and contrived names as memory clues geometric figures/definitions; This title emphasizes place value.	These books vary in effectiveness and the name/word clues have limited effectiveness.
<i>Snake-A-Phobia: Fear No More!</i>	Norwich, Grace. 2011. Scholastic. (Extensive photo credits)	Amazing photos combine with accurate and specific terminology, fascinating facts, and clear labels to correct misconceptions/myths about snakes and build interest in the topic.	Standard non-fiction features include table of contents, glossary, as well as several "test" pages (T/F, Multiple Choice).

<i>Snook Alone</i>	Nelson, Marilyn. 2010. Candlewick	Flora, fauna, and biome of atoll islands in the Indian Ocean are explored with poetic text and artful illustrations. Snook, a little rat terrier, is accidentally lost by his companion, a monk. Told through Snook's eyes/heart.	The complexity of language, accurate terminology, and underlying questions of faithfulness ,hope, devotion, and despair make it more suited for older readers.
<i>Snow</i>	Rylant, Cynthia. 2008. Houghton Mifflin. Ill. by Stringer, Lauren.	Lyrical portrayal of snow as it exists from a child's point of view, allowing pairing with other science-based snow titles.	
<i>Snowflake Bentley</i>	Martin, Jacqueline Briggs. 1998. Houghton Mifflin. Azarian, Mary. Caldecott Honor Book.	Biographic portrayal of a young man's obsession with studying snowflakes using/adapting the limited photography technology of his time.	Related websites allow extensive exploration of his life, his science, and his hometown.
<i>Snow Show with Chef Kelvin (The)</i>	Fischer, Carolyn. Harcourt, Inc.	Presented as a stage/media production, Chef Kelvin is a snowman who presents all the science you could ever want to know about climate, water cycle, temperatures, environments with total appeal.	Combine with other snow titles for a study unit. This title alone offers action, vocabulary, recipes, an entertaining story line, and plenty of reason to return again and again.

<i>Sound of Day, The Sound of Night (The)</i>	O'Neill, Mary. 2003. Ill. by Jabar, Cynthia. Melanie Kroupa Books.	Vivid, somewhat comical illustraitons combine with O'Neill's flawless simple rhyming verse to describe the sounds/situations of day/night.	Check out Mary O'Neill's other titles/poetry collections. For a study of sound, developing understanding of the passage of time and day/night cycles, figurative language
<i>Space Songs</i>	Livingston, Myra Cohen. 19987. Holiday House.	Poems of every sort (shape poems, traditional rhyme, open verse, etc.) are portrayed on spectacular double page illustrations that extend the meaning and the mystery of space and it's objects.	Livingston's poems are timeless treasures. Be sure to check out her similarly-themed titles: Sky Songs, Earth Songs, and Sea Songs, as well as her other titles and collections.
<i>Spahetti and Meatballs for All: AA Mathematical Story</i>	Burnbs, Marilyn. 1997. A Marilyn Burns Brainy Day Book	When a family decideds to share their garden treasures at a spaghetti dinner, they need to arrange the tables/chairs to seat everyone, including a series of late arrivals	Several pages at the back extend the solutions provided throughout the story by diagramming a series of solutions and strategies for adults to use in helping children with the challenge
<i>Spectacular Science: a book of poems</i>	selected by: Hopkins, Lee Bennett. 1999. Various original copyright dates, all credited.	Most areas of life/physical sciences are addressed in one or more poems, with colorful illustrations that, while slightly bizarre, add insights.	Table of contents is helpful when looking for poems dealing with specific topics, tools, etc.

<p><i>Spider's Lunch: All About Garden Spiders</i></p>	<p>Cole, Joanna. 1995.</p>	<p>Great narrative approach to learning the science of spiders in our own yards. Includes habitats, behaviors, scientific labels, life cycle.</p>	<p>All Aboard Series- Level1/preschool thru grade one- Significant that Joanna Cole is the "Magic Schoolbus" writer and works equally well at this level.</p>
<p><i>Square Cat</i></p>	<p>Schoonmaker, Elizabeth. 2011. Aladdin Books</p>	<p>A rigidly square cat has many problems, including feeling different, trouble moving (flat sides), etc. Ger round cat friends (somewhat oblong) attempt to help by adding shapes, eventually adopting square shapes too.</p>	<p>Multiple uses in math, analogy, story modeling (simple story map works well here), problem-solving, same/different, creativity, and friendship/acceptance.</p>
<p><i>Tales of the Cryptids: mysterious creatures that may or may not exist</i></p>	<p>Halls, Spears, and Young. 2006. Darby Creek Publishing. A Junior Library Guild Selection</p>	<p>Legendary/mythical creatures from vampires to big foot are evaluated based on actual science, as currently available. Maps, photos, illustrations, scientific drawings, etc. enrich intriguing well-written text.</p>	<p>authoritative back matter: index, bibliography (also cites interview sources and web sites referenced), and an illustrated "Crypti-dictionary" and reality index.</p>
<p><i>Talking About Bessie: The Story of Aviator Elizabeth Coleman.</i></p>	<p>Grimes, Nikki. 2002. Scholastic. Ill. by Lewis, E. B. Coretta Scott King winner and honor awards.</p>	<p>Biography of pioneering female pilot, Africa- American, through the "voices" of those who knew her. Incorporates aspects of training, flying, travels, as well as personality development.</p>	<p>Format is fictional but is based on well-researched facts, with intro page and back page to sort facts and provide reference to other materials.</p>

Ten Black Dots	Crews, Donald. Originally 1968, revised and re-released in 1986. Available in several formats- board book, big book, etc. Greenwillow Books.	What can you do with ten black dots? The question launches page after page of bright simple images in which black dots are used, from 1-10, in simple animals/scenes/objects.	Excellent for counting, but also for increasing awareness of number sense in our environment, as well as a launch for student projects incorporating groups of dots in various forms.
Ten Grouchy Groundhogs	Heling, Kathryn and Hembrook, Deborah. 2009. Cartwheel Books and Scholastic/ Ill by Johnson, Jay. (Waukesha area authors)	Simple and well-paced rhyming text follows the "Ten Little" format with very childlike groundhogs engaged in activities of school-age interest.	Back page addresses the simple facts of Groundhog Day traditionals in a simply-stated paragraph manageable by early readers.
Ten on the Sled	Norman, Kim. 2010. Sterling Publishing and Scholastic. Ill. by Woodruff, Lisa	Simple rhyming text follows the "Ten in a bed" format with clod-climate critters (some of whom are more typically considered enemies) on a sledding outing.	Number words during countdown are enlarged, upper case, and in color to stand at from the black text. "Caribou" is the most challenging animal name but is repeated in each verse
Time Zones	Adler, David. 2010. Ill. Miller, Edward.	Math and Science: A topic rarely addressed, this mixes cartoon-like drawings, maps, charts, actual clocks, talk bubbles, etc. to explore the reason/function behind time zones.	"Fun project" described on the back pages offers a directions for a hands-on application of the info using simple materials

<i>Tiny Snail</i>	Bronson, Tammy Carter. 2000.	A story of persistence incorporates scientific facts about the needs of snails.	Back pages provide further facts about snails in Q/A format, with scientific drawings, and further readings.
<i>This Big Sky</i>	Mora, Pat. 1998. Scholastic.	Poems and remarkable illustrations provide information, insights, and raise questions about habitats, geology, and numerous other patterns observed on Planet Earth.	Back matter includes glossary with simple synonyms as well as phonetic pronunciations. Many terms/words used are in Spanish.
<i>Tree in the Trail (A)</i>	Holling, Holling C. 1942, 1970.	Holling's characteristic pattern of left/right, B/W, color illustrations with a core story and elaborating "handwritten" notes depicts the century's-long life story of a tree on the Sante Fe Trail with the passage of people and history.	Accessible at many levels, with links to social studies, research, character development, time lines, and math.
<i>(The) Truth About Poop</i>	Goodman, Susan E. 2004. illustrated- Smith, Elwood H.	Science: Every scientific, historic, and even prehistoric thing a young reader could want to know about poop, presented in a very direct and entertaining way without being silly.	Endpapers offer further "pop-up" facts about poop, along with an afterward about research and reliable sources in books/online.

<p><i>Twizzlers: From Simple Shapes to Geometry</i></p>	<p>Pallotta, Jerry. 2005.</p>	<p>Using Twizzler licorice sticks, various concepts, relationships, and terminology are practiced as "Pull-n-peel MATH". Progresses from simple to complex.</p>	<p>Each page has a clearly labeled term, demonstrated in illustration. The book functions as a dictionary, but is not alphabetical</p>
<p><i>Tyrannosaurus Math</i></p>	<p>Markel, Michelle. 2009</p>	<p>Almost all elementary math topics; superficial, but useful for intro, review, etc.</p>	<p>Back page indicates the checklist of skills/topics dealt with</p>
<p><i>Ubiquitous: Celebrating Nature's Survivors</i></p>	<p>Poetry by Sidman, Joyce. Illustrations by Prange, Beckie. 2010. Houghton Mifflin.</p>	<p>Science/math: poetry faced by expository details for each evolutionary creature that has persisted into the present. Illustrations are artful but also scientifically revealing, often labeled.</p>	<p>Remarkable and unique approach to evolutionary timeline displayed on front and back end pages.</p>
<p><i>United Tweets of America: Fifty State Birds, their stories, their glories.</i></p>	<p>Talbot, Hudson. 2008. Scholastic.</p>	<p>Portrays a world of facts in appealing illustrations with humor. Bird details relate to food, behaviors, habitats, etc. along with state facts, maps, etc.</p>	

<i>Up, Down, All Around</i>	Ayres, Katherine. 2007	Science: Plants, parts, ecosystems (pair with <u>Tops and Bottoms</u>)	
<i>V is for Vanishing: An Alphabet of Endangered Animals</i>	Mullins, Patricia. 1993. Harper Collins.	Each letter provides a generic category of animal (Condor, Sloth) with a richly illustrated example of a specific species, its standard name, scientific name, and place of origin.	Minimal back matter except for acknowledging authorities/animals used for illustration, citing reference sources, and describing the art media/techniques.
<i>Venomous Snakes</i>	Author not cited. Brown Bear Books, LTD. Reference Group.2009.	Science: Mid-level text, vivid photos, insert fact bubbles, scientific labels/terms defined-presented with a page by page focus on twelve very interesting and distinct snakes.	Table of contents, index, glossary, further resources- includes books and websites.
<i>Virtual Reality Specialist (Cool Science Careers Series)</i>	Halls, Kelly Milner. 2010. Cherry Lake Publishing. Photography credited.	Career profiles for the next generation. Characteristically well researched work by Halls is thorough, appealing, and organized well for independent or guides reading.	Back matter includes glossary, index, book and web sources, and mini-bio-notes about some famous virtual reality specialists.

<i>Voyage of Turtle Rex (The)</i>	Cyrsu, Kurt.2011. Harcourt Children's Books	Large format allows for illustrations in proportion to the story of the prehistoric life of a sea turtle, continuing on through to the present day. Loaded with accurate information, rhyming verse is tense and compelling.	Visual and verbal images are remarkable for scientific accuracy, scale, perspective, and for the powerful story of food chains, predation, and evolution.
<i>Water Dance</i>	Locker, Thomas. 1997	Water: states of matter, biomes, water cycle- terms, processes; single page framed illustrations and simple first person poems	Several back pages depict/describe the water cycle in accessible language and clear sequence.
<i>Weird But True #2- National Geographic Kids</i>	National Geographic. 2010	300 Outrageous facts of a random, trivia-like nature. Photos and illustrations are intense and appealing, visual format is also fast-paced and intense.	Springboard for triggering interest in research questions, related facts, etc.
<i>Weslandia</i>	Fleischman, Paul. 1999. Ill. by Hawkes, Kevin. Candlewick Press.	A "misfit" adolescent boy is bullied, but he launches a backyard experiment to test the things he learns in school: Seeds are carried by the wind, civilization is founded on a stable food crop.	Science, social studies, cultures, literature, economics, social interaction, self-awareness...this book has it all, in a colorful, creative, entertaining way.

<p><i>What in the Wild? Mysteries of Nature Concealed... and Revealed</i></p>	<p>Schwartz, David M. and Schy, Yael. Eye-tickling photos by Dwight Kuhn 2010. Tricycle Press.</p>	<p>Science: unique format. Each double page includes a poem about a unique and somewhat unfamiliar creature, faced by full-color photo. Page lifts to show in detail, and name/facts are revealed on the inner flap.</p>	<p>Intro for each book in the series, each contains focus/challenge questions to expand thinking and attention.</p>
<p><i>What Lives in the Garden?</i></p>	<p>Woodward, John. 2000.</p>	<p>Similar to "SuperSmarts" series. Based on North American habitats, typically residential; basic text, picture captions, labels, variety of content, and vocabulary all organized in effective ways.</p>	<p>Quizzes, math connections, index all allow interactions and use of this book for research/reference work.</p>
<p><i>What Makes a Shadow</i></p>	<p>Bulla, Clyde Robert. 1962, 1994. Scholastic. Ill. by Otani, June. <i>"Let's Read and Find Out Science Series"</i></p>	<p>Very simple vocabulary using accurate science/terminology to consider and explore light and shadows in the world around us.</p>	<p>Timeless text with nicely updated illustrations</p>
<p><i>What's your Angle, Pythagoras? A Math Adventure</i></p>	<p>Ellis, Julie. 2004. Ill. by Hornung, Phyllis. Scholastic.</p>	<p>Young Pythagoras is always trying to solve puzzles, not wanting to grow into his father's shipping/merchant business. Various situations allow him to analyze and solve geometric puzzles.</p>	<p>Pythagoras and the story are generally appealing, and the various illustrations/explanations are clear and well executed. Back page provides a historical note.</p>

<p><i>When It's Six O'clock in San Francisco</i></p>	<p>Omololu, Cynthia Jaynes. 2009. Ill. by Randy DuBurke. Clarion.</p>	<p>Scenes are shown (from Feb. 19th/20th) in San Francisco, Montréal, Santiago, London, Cape Town, Lahore, Beijing, Sydney, Honolulu, and New York, progressively adding clocks across the bottom of each page.</p>	<p>Back pages offer a world projection map with time zones/clocks shown, and each city indicated. Maps include Ocean/Continent names and brief text.</p>
<p><i>Where in the Wild? Camouflaged Creatures Concealed...and Revealed</i></p>	<p>Schwartz, David M. and Schy, Yael. Eye-tickling photos by Dwight Kuhn. 2007. Tricycle Press.</p>	<p>Science: unique format. Each double page includes a poem about a camouflaged creature, faced by full-color photo. Page lifts to show hidden creature. The creature is named and described on the inner flap.</p>	<p>Intro for each book in the series, each contains focus/challenge questions to expand thinking and attention.</p>
<p><i>Where Else in the Wild? MORE camouflaged Creatures Concealed...and Revealed</i></p>	<p>Schwartz, David M. and Schy, Yael. Eye-tickling photos by Dwight Kuhn. 2009. Tricycle Press.</p>	<p>Science: unique format. Each double page includes a poem about a camouflaged creature, faced by full-color photo. Page lifts to show hidden creature. The creature is named and described on the inner flap.</p>	<p>Intro for each book in the series, each contains focus/challenge questions to expand thinking and attention.</p>
<p><i>Whole-y Cow: Fractions Are Fun</i></p>	<p>Souders, Taryn. 2010. Scholastic. Ill. by Mai-Wyss, Tatjana</p>	<p>Farm setting with silly animal scenes, told in verse. Fractions are shown/asked about in both parts of sets and parts of a whole.</p>	<p>Not the strongest offering, but could pair with other fraction titles for comparison.</p>

<i>Wild Dogs: Past and Present</i>	Halls, Kelly Milner, 2005. Darby Creek Publishing	Tracing the evolution of wild dogs, including notes about domestic breeds at the conclusion, the text and supporting photos, resources, and maps make the history of wild dogs accessible.	As with all Halls' non-fiction books, authoritative back matter includes index, bibliography (also cites interview sources and web sites referenced)
<i>Wild Horses: Galloping Through Time</i>	Halls, Kelly Milner. 2008. Darby Creek Publishing.	Horse lovers and paleontology buffs will be equally enthralled by the text and illustrations that so compellingly document the evolution of modern horses.	authoritative back matter: index, bibliography (also cites interview sources and web sites referenced), and lists of current agencies working to protect wild horses from extinction.
<i>Will It Blow? Become A Volcano Detective At Mt. St. Helens</i>	Rusch, Elizabeth. 2009. Sasquatch Books. Illustrated by Lewis, K. E.	Arranged as a "mission" to investigate volcanoes (ala CSI) = complex but accessible text incorporates labeled scientific drawings, charts, illustrations, photos, professional profiles, and expository text.	An extended glossary, online and hard copy resources serve as springboards for further study.
<i>Window</i>	Baker, Jeannie. 1991. Greenwillow.	beginning with the cover scene, the view from a single window uses images of a mother and son over a 20 year span to view the disappearance of most of the natural surroundings due to development.	An author's note allows baker to note the exponentially rapid disappearance of habitat and resources, boding sad news for the survival of wildlife.

<p><i>Who Would Win? Tyrannosaurus Rex vs. Velociraptor</i></p>	<p>Pallotta, Jerry. 2010</p>	<p>Math: Measurements- linear, weight, speed Science: food chains, habitats, archeological evidence, hypotheses</p>	<p>Back page provides a checklist to keep track of which features are advantages to which species</p>
<p><i>Wolves</i></p>	<p>Simon, Seymour. 1993.</p>	<p>Simon's characteristically high quality text engages readers in getting to know what wolves are "really" like beyond myth and stereotype. Amazing photos are paired well with factual passages.</p>	<p>Use with "Look to the North" by Jean Craighead George. Look for any/all science titles by Seymour Simon.</p>
<p><i>(The) Wump World</i></p>	<p>Peet, Bill. 1970.</p>	<p>A parable of the painful effect "Pollutians" have on an innocent and abundant world and the species who inhabit it. The ultimate resilience of nature is paired with the relentless persistence of the polluters.</p>	<p>Don't let the copyright date fool you- this is as timeless as "The Lorax". The message is sadly more true than ever.</p>
<p><i>Zero Is the Leaves on the Tree</i></p>	<p>Franco, Betsy. Ill. by Arihara, Shino. 2009.</p>	<p>Direct effort to make the value of zero real, understandable. Very simple text, uses numerals and number words, as well as info about science/seasons.</p>	<p>Examples are very familiar ones, encouraging more attention to surroundings and other number values in our environment; patterns.</p>