

Bug Music How Insects Gave Us Rhythm And Noise

Patterns are found in math, reading, science, music, art, dance, and poetry—and in the world all around us. They are also found in this delightful book written by educator Trudy Harris. Children will love the humor and predictability of this story, and teachers and parents alike will appreciate the pattern hunt that will send kids back into the book looking for more patterns again and again.

A humorously illustrated collection of funny and thought-provoking poems about insects.

Introduces different types of insects, their different body parts, and where they live.

In the spring of 2013, the cicadas in the Northeastern United States emerged from their seventeen-year cycle—the longest gestation period of any animal. Those who experienced this great sonic invasion compared their sense of wonder to the arrival of a comet or a solar eclipse. This unending rhythmic cycle is just one unique example of how the pulse and noise of insects has taught humans the meaning of rhythm, from the whirr of a cricket's wings to this unfathomable and exact seventeen-year beat. Bug Music is the first book to consider the radical notion that we humans got our idea of rhythm, synchronization, and dance from the world of insect sounds that surrounded our species over the millions of years over which we evolved. Bug Music continues Rothenberg's in-depth research and spirited writing on the relationship between human and animal music, and it follows him as he explores insect influences in classical and modern music, plays his saxophone with crickets and other insects, and confers with researchers and scientists nationwide. This engaging and thought-provoking book makes a passionate case for the interconnectedness of species.

A boy and girl find and count 100 different bugs in their backyard in increments of ten.

The beautiful and haunting novel that launched David Almond as one of the best children's writers of today When a move to a new house coincides with his baby sister's illness, Michael's world seems suddenly lonely and uncertain. Then, one Sunday afternoon, he stumbles into the old, ramshackle garage of his new home, and finds something magical. A strange creature - part owl, part angel, a being who needs Michael's help if he is to survive. With his new friend Mina, Michael nourishes Skellig back to health, while his baby sister languishes in the hospital. But Skellig is far more than he at first appears, and as he helps Michael breathe life into his tiny sister, Michael's world changes for ever . . . Skellig won the Carnegie Medal and the Whitbread Children's Book Award and is now a major Sky1 feature film, starring Tim Roth and John Simm. David Almond is also winner of the 2010 Hans Christian Andersen award. Powerful and moving - The Guardian This newly jacketed edition celebrates 15 years of this multi-award-winning novel.

An enthusiastic, witty, and informative introduction to the world of insects and why we—and the planet we inhabit—could not survive without them. Insects comprise roughly half of the animal kingdom. They live everywhere—deep inside caves, 18,000 feet high in the Himalayas, inside computers, in Yellowstone's hot springs, and in the ears and nostrils of much larger creatures. There are insects that have ears on their knees, eyes on their penises, and tongues under their feet. Most of us think life would be better without bugs. In fact, life would be impossible without them. Most of us know that we would not have honey without honeybees, but without the pinhead-sized chocolate midge, cocoa flowers would not pollinate. No cocoa, no chocolate. The ink that was used to write the Declaration of Independence was derived from galls on oak trees, which are induced by a small wasp. The fruit fly was essential to medical and biological research experiments that resulted in six Nobel prizes. Blowfly larva can clean difficult wounds; flour beetle larva can digest plastic; several species of insects have been essential to the development of antibiotics. Insects turn dead plants and animals into soil. They pollinate flowers, including crops that we depend on. They provide food for other animals, such as birds and bats. They control organisms that are harmful to humans. Life as we know it depends on these small creatures. With ecologist Anne Sverdrup-Thygeson as our capable, entertaining guide into the insect world, we'll learn that there is more variety among insects than we can even imagine and the more you learn about insects, the more fascinating they become. Buzz, Sting, Bite is an essential introduction to the little creatures that make the world go round.

Introduces the sounds produced by crickets, katydids, and cicadas found in eastern and central North America, including a sonagram that gives a visual representation of the sounds and recorded examples of the songs mentioned.

Chronicles the evolution of insects and explains how evolutionary innovations have enabled them to disperse widely, occupy narrow niches, and survive global catastrophes.

A funny, insightful exploration of the clash between the human and insect worlds - to sometimes disastrous results

A biologist presents a “consistently delightful” look at the mysteries of insect behavior (The New York Times Book Review). Insects have inspired fear, fascination, and enlightenment for centuries. They are capable of incredibly complex behavior, even with brains often the size of a poppy seed. How do they accomplish feats that look like human activity—personality, language, childcare—with completely different pathways from our own? What is going on inside the mind of those ants that march like boot-camp graduates across your kitchen floor? How does the lead ant know exactly where to take her colony, to that one bread crumb that your nightly sweep missed? Can insects be taught new skills as easily as your new puppy? Sex on Six Legs is a startling and exciting book that provides answers to these questions and many more, examining not only the bedroom lives of creepy crawlies but also some of our own long-held assumptions about learning, the nature of personality, and what our own large brains might be for. “Smart, engaging . . . Zuk approaches her subject with such humor and enthusiasm for the intricacies of insect life, even bug-phobes will relish her account.” —Publishers Weekly, starred review

A celebrated figure in myth, song, and story, the nightingale has captivated the imagination for millennia, its complex song evoking a prism of human emotions,—from melancholy to joy, from the fear of death to the immortality of art. But have you ever listened closely to a nightingale's song? It's a strange and unsettling sort of composition—an eclectic assortment of chirps, whirs, trills, clicks, whistles, twitters, and gurgles. At times it is mellifluous, at others downright guttural. It is a rhythmic assault, always eluding capture. What happens if you decide to join in? As philosopher and musician David Rothenberg shows in this searching and personal new book, the nightingale's song is so peculiar in part because it reflects our own cacophony back at us. As vocal learners, nightingales acquire their music through the world around them, singing amidst the sounds of humanity in all its contradictions of noise and beauty, hard machinery and soft melody. Rather than try to capture a sound not made for us to understand, Rothenberg seeks these musical creatures out, clarinet in tow, and makes a new sound with them. He takes us to the urban landscape of Berlin—longtime home to nightingale colonies where the birds sing ever louder in order to be heard—and invites us to listen in on their remarkable collaboration as birds and instruments riff off of each other's sounds. Through dialogue, travel records,

sonograms, tours of Berlin's city parks, and musings on the place animal music occupies in our collective imagination, Rothenberg takes us on a quest for a new sonic alchemy, a music impossible for any one species to make alone. In the tradition of *The Hidden Life of Trees* and *The Invention of Nature*, Rothenberg has written a provocative and accessible book to attune us ever closer to the natural environment around us.

Meet the mamas and papas of the insect world in this fresh and funny nonfiction look at how bugs are like us from popular science author and teacher Heather Montgomery. Most insects don't take care of their young, but some do--in surprising ways. Some bugs clean up after their messy little ones, cater to their picky eaters, and yes--hug their baby bugs. A fun and clever look at parenting in the insect world, perfect for backyard scientists and their own moms and dads. Back matter includes further information about the insects and a list of resources for young readers.

Real-life 7-year-old Sophia Spencer was bullied for loving bugs until hundreds of women scientists rallied around her. Now Sophie tells her inspiring story in this picture book that celebrates women in science, bugs of all kinds, and the importance of staying true to yourself. Makes a perfect gift for nature lovers on Earth Day and every day! Sophia Spencer has loved bugs ever since a butterfly landed on her shoulder--and wouldn't leave!--at a butterfly conservancy when she was only two-and-a-half years old. In preschool and kindergarten, Sophia was thrilled to share what she knew about grasshoppers (her very favorite insects), as well as ants and fireflies... but by first grade, not everyone shared her enthusiasm. Some students bullied her, and Sophia stopped talking about bugs altogether. When Sophia's mother wrote to an entomological society looking for a bug scientist to be a pen pal for her daughter, she and Sophie were overwhelmed by the enthusiastic response--letters, photos, and videos came flooding in. Using the hashtag BugsR4Girls, scientists tweeted hundreds of times to tell Sophia to keep up her interest in bugs--and it worked! Sophia has since appeared on Good Morning America, The Today Show, and NPR, and she continues to share her love of bugs with others.

Pretty ladybugs, fluttering butterflies, creepy daddy longlegs, and roly-poly bugs are some of the familiar creatures featured in this whimsically illustrated insect album. Complete with an "actual size" chart and bug-o-meter listing fun facts about each bug, *Bugs! Bugs! Bugs!* will inform and entertain curious little bug lovers everywhere.

Explores the types of bugs that can be found in everyday life, including ladybugs, spiders, grasshoppers, and crickets, and presents facts on each.--]cSource other than the Library of Congress.

Analyzes the role of insects in teaching humans about music, tracing research into exotic insect markets and research labs while explaining how insect sound and movement patterns inspired traditions in rhythm, synchronization, and dance.

What makes an insect an insect? What makes a bug a bug? Read and find out! With intricate and vividly colored collages from Caldecott Medal winner Steve Jenkins and engaging text from Anne Rockwell, *Bugs Are Insects* introduces the youngest readers to the fascinating world of the creepy crawly. Now rebranded with a new cover look, this NSTA/CBC Outstanding Science Trade Book includes activities such as conducting an insect survey, drawing a picture of your favorite insects, and planting a butterfly garden. Both text and artwork were vetted for accuracy by Dr. Ed Spevak, Curator of Invertebrates and Director of the Saint Louis Zoo WildCare Institute Center for Native Pollinator Conservation. This is a Level 1 Let's-Read-and-Find-Out, which means the book explores introductory concepts for children in the primary grades and supports the Common Core Learning Standards and Next Generation Science Standards. Let's-Read-and-Find-Out is the winner of the American Association for the Advancement of Science/Subaru Science Books & Films Prize for Outstanding Science Series.

This is a fascinating account of more than eighty insect "firsts." Velcro, bungee jumping, air-conditioning, and chemical warfare are a few of the firsts covered in this book authored by two professional entomologists. The text is illustrated with humorous anthropomorphized insects. It is written for a general audience but is of special interest to teachers and entomologists.

All kinds of insects compete to see who is the "bugliest" bug of all, but there is a sinister surprise behind the contest.

"Chuck Whipplethorp learns that he comes from a fascinating lineage of Whipplethorps, so he sets off to carve his own mark--by collecting bugs"--

Catch the bug buzz and learn all about insects with the Cat in the Hat--a perfect gift for little scientists on Earth Day and every day! The Cat in the Hat's Learning Library is a nonfiction picture book series that introduces beginning readers ages 5-8 to important basic concepts. Find out all you ever wanted to know about insects when the Cat in the Hat and friends get an up-close view of life as a bug. Kids will learn how insects -- from the spittlebug to the honeybee to the moth -- see, smell, communicate, and pollinate, as well as sometimes pester and amaze and generally make life better for us humans. Featuring beloved characters from Dr. Seuss's *The Cat in the Hat*, the Learning Library are unjacketed hardcover picture books that explore a range of nonfiction topics about the world we live in and include an index, glossary, and suggestions for further reading.

Named a Best Books of Summer by BuzzFeed and Newsweek "Lyrical, unflinching.... Hernández expertly skates the line between memoir and science tome, showing the personal effects of a disease perpetuated by a cascade of systemic failures." —The Washington Post "A necessary read for anyone concerned about health crises across the world." —The Boston Globe "Part memoir, part investigative thriller.... Her book shines a light on [a] neglected harm." —The San Francisco Chronicle Growing up in a New Jersey factory town in the 1980s, Daisy Hernández believed that her aunt had become deathly ill from eating an apple. No one in her family, in either the United States or Colombia, spoke of infectious diseases. Even into her thirties, she only knew that her aunt had died of Chagas, a rare and devastating illness that affects the heart and digestive system. But

as Hernández dug deeper, she discovered that Chagas—or the kissing bug disease—is more prevalent in the United States than the Zika virus. After her aunt’s death, Hernández began searching for answers. Crisscrossing the country, she interviewed patients, doctors, epidemiologists, and even veterinarians with the Department of Defense. She learned that in the United States more than three hundred thousand people in the Latinx community have Chagas, and that outside of Latin America, this is the only country with the native insects—the “kissing bugs”—that carry the Chagas parasite. Through unsparing, gripping, and humane portraits, Hernández chronicles a story vast in scope and urgent in its implications, exposing how poverty, racism, and public policies have conspired to keep this disease hidden. A riveting and nuanced investigation into racial politics and for-profit healthcare in the United States, *The Kissing Bug* reveals the intimate history of a marginalized disease and connects us to the lives at the center of it all.

Describes whale songs and the history of humans recording and attempting to decipher the meaning behind the sounds.

A fun-filled field guide into the creepy-crawly world of the bugs of Washington and Oregon. Learn about 125 of the coolest bugs you might encounter in the great outdoors of the Northwest. John Acorn, an avid "bugster" and host of the popular television series *The Nature Nut*, supplies lively text that evokes each species' character. Respected artist and naturalist Ian Sheldon has created brilliant illustrations that bring each bug to life.

See what the buzz is about in this fresh, fun look at insect anatomy. Let's build an insect! In the pages of this book, you'll find a workshop filled with everything you need, including a head, a thorax, an abdomen, and much more. Written by entomologist Roberta Gibson and accompanied by delightfully detailed illustrations by Anne Lambelet, this wonderfully original take on insect anatomy will spark curiosity and engage even those who didn't think they liked creepy, crawly things!

"Creepy, beautiful, icky and amazing." —Penny Le Couteur, author of *Napoleon's Button* Insects have been shaping our ecological world and plant life for over 400 million years. In fact, our world is essentially run by bugs—there are 1.4 billion for every human on the planet. In *Bugged*, journalist David MacNeal takes us on an off-beat scientific journey that weaves together history, travel, and culture in order to define our relationship with these mini-monsters. MacNeal introduces a cast of bug-lovers—from a woman facilitating tarantula sex and an exterminator nursing bedbugs (on his own blood), to a kingpin of the black market insect trade and a “maggotologist”—who obsess over the crucial role insects play in our everyday lives. Just like bugs, this book is global in its scope, diversity, and intrigue. Hands-on with pet beetles in Japan, releasing lab-raised mosquitoes in Brazil, beekeeping on a Greek island, or using urine and antlers as means of ancient pest control, MacNeal’s quest appeals to the squeamish and brave alike. Demonstrating insects’ amazingly complex mechanics, he strings together varied interactions we humans have with them, like extermination, epidemics, and biomimicry. And, when the journey comes to an end, MacNeal examines their commercial role in our world in an effort to help us ultimately cherish (and maybe even eat) bugs.

A collection of unusual facts, games, puzzles, activities, and artwork centering around the world of insects.

Get curious about creepy, crawly, and cool bugs Crawl inside the weird world of bugs and discover the fascinating lives of arthropods, insects, and arachnids. This book for kids ages 5 to 7 explains what makes a bug a bug--from their jointed legs to their strange eyes and awkward antennas. Learn how they see, breathe, and fly, and which bugs don't fly at all. Meet amazing bugs--from magnificent moths to peculiar pill bugs--and discover where they live, what they eat, and how they change and grow. Beautiful, colorful photos bring these incredible creatures up close with plenty of fun facts and fascinating details about what makes each bug so special. Budding backyard bug-catchers will have their hands full with this informative book. *The Weird and Wonderful World of Bugs* includes: Wild--From elusive earwigs to glorious glowworms, explore the lives of popular backyard bugs and those that live in far-away places. Weird--Did you know that a baby spider is called a spiderling? You'll discover even more fun facts about each cool bug. Wonderful--Explore how bees make honey, why stink bugs smell, and the amazing insects that help pollinate our planet. Take a microscopic look into the super cool and curious world of bugs with this fun guide.

Catch All the Buzz About Bugs! Kids love the thrill of discovery—especially when it comes to bugs. Become a young entomologist. Learn all about bees, butterflies, spiders, and other creepy crawlies. Jaret C. Daniels, author of many bug books, presents a kids’ introduction to entomology. From ants and beetles to dragonflies and mosquitoes, this easy-to-understand book is a perfect guide for beginners. It features expert insights on a variety of common and important insects. It delves into such topics as what the various species eat, how long they live, and whether or not they migrate during winter. In the field-guide section, featured species are organized by where they are commonly found. Full-color photographs and descriptions of key markings help readers to identify the species they see in nature. Inside You’ll Find Beginner’s guide to bugs of the USA and southern Canada The basics of entomology and bug anatomy Identification guide to common and important bugs to know Fun bonus activities for the whole family

Crawl into the wonderful world of bugs--a fun photographic adventure. Take your child on an educational adventure bursting with the kinds of colorful photographs you need in bug books for kids. *The Backyard Bug Book for Kids* has everything you'd want in bug books for kids: a story, pictures, and activities combined. Introduce your little one to the types of bugs they're likely to see during their day, then help them remember what they've learned with fun, on-the-page challenges. Go beyond other bug books for kids with: Bugs galore--Learn cool facts about familiar insects: ladybugs, grasshoppers, dragonflies, and more. Amazing pictures--See creepy crawlies up close with big and colorful photos. Exciting activities--Continue the learning with all kinds of bug-themed activities. Give your child a bug's-eye view of the world with this must-have title for anyone interested in bug books for kids.

In this darkly comical look at the sinister side of our relationship with the natural world, Stewart has tracked down over one hundred of our worst entomological foes—creatures that infest, infect, and generally wreak havoc on human affairs. From the world’s most painful hornet, to the flies that transmit deadly diseases, to millipedes that stop traffic, to the “bookworms” that devour libraries, to the Japanese beetles munching on your roses, *Wicked Bugs* delves into the extraordinary powers of six- and eight-legged creatures. With wit, style, and exacting research, Stewart has uncovered the most terrifying and titillating stories of bugs gone wild. It’s an A to Z of insect enemies, interspersed with sections that explore bugs with kinky sex lives (“She’s Just Not That Into You”), creatures lurking in the cupboard (“Fear No Weevil”), insects eating your tomatoes (“Gardener’s Dirty Dozen”), and phobias that feed our (sometimes) irrational responses to bugs (“Have No Fear”). Intricate and strangely beautiful etchings and drawings by Briony Morrow-Cribbs capture diabolical bugs of all shapes and sizes in this mixture of history, science, murder, and intrigue that begins—but doesn’t end—in your own backyard.

NEW YORK TIMES BESTSELLER • From the genre-defying icon Ben Folds comes a memoir that is as nuanced, witty, and relatable as his cult-classic songs. “A Dream About Lightning Bugs reads like its author: intelligent, curious, unapologetically punk, and funny as hell.”—Sara Bareilles NAMED ONE OF THE BEST BOOKS OF THE YEAR BY NPR AND PASTE Ben Folds is a celebrated American singer-songwriter, beloved for songs such as “Brick,” “You Don’t Know Me,” “Rockin’ the Suburbs,” and “The Luckiest,” and is the former frontman of the alternative rock band Ben Folds Five. But Folds will be the first to tell you he’s an unconventional icon, more normcore than hardcore. Now, in his first book, Folds looks back at his life so far in a charming and wise chronicle of his artistic coming of age, infused

