Princeton Field Guide To Dinosaurs Zytron

The Princeton Field Guide to DinosaursSecond EditionPrinceton University Press

This book synthesises the growing body of evidence which suggests that modern-day birds have evolved from theropod dinosaurs of prehistoric times. The author argues that the ancestor-descendant relationship can also be reversed.

"A personal selection of circa 180 topics from dinosaur biology, including classification, fossil finds, biographies, and much more"--

The first Australian dinosaur or, rather, the claw of a meat-eating dinosaur, was discovered in Victoria in 1903. Since then, six different species of dinosaurs have been found in this part of Australia and there is evidence that there are more. In this absorbing book, paleontologist Dr. Thomas Rich takes us into the world of polar dinosaurs and provides a first-hand look at the exciting, yet painstaking work of dinosaur hunting. Polar Dinosaurs describes the species and behavior of these dinosaurs and outlines their relationship to other Australian dinosaurs, including the famous ankylosaur, Minmi, from Queensland, and opalised hypsilophodontid bones from Lightning Ridge in New South Wales. Color photographs of fossils are included, as well as beautiful paintings by

artist Peter Trusler that bring this ancient landscape and its inhabitants to life.

This lavishly-illustrated volume is the first authoritative dinosaur book in the style of a field guide. It covers the true dinosaurs - the Tetrapoda - the great Mesozoic animals which gave rise to today's living dinosaurs, the birds. Incorporating the new discoveries and research that are radically transforming what we know about dinosaurs, this book is distinguished both by its scientific accuracy and the quality and quantity of its illustrations.

The study of dinosaurs has been experiencing a remarkable renaissance over the past few decades. Scientific understanding of dinosaur anatomy, biology, and evolution has advanced to such a degree that paleontologists often know more about 100-million-year-old dinosaurs than many species of living organisms. This book provides a contemporary review of dinosaur science intended for students, researchers, and dinosaur enthusiasts. It reviews the latest knowledge on dinosaur anatomy and phylogeny, how dinosaurs functioned as living animals, and the grand narrative of dinosaur evolution across the Mesozoic. A particular focus is on the fossil evidence and explicit methods that allow paleontologists to study dinosaurs in rigorous detail. Scientific knowledge of dinosaur biology and evolution is shifting fast, and this book aims to summarize current understanding of dinosaur

science in a technical, but accessible, style, supplemented with vivid photographs and illustrations. The Topics in Paleobiology Series is published in collaboration with the Palaeontological Association, and is edited by Professor Mike Benton, University of Bristol. Books in the series provide a summary of the current state of knowledge, a trusted route into the primary literature, and will act as pointers for future directions for research. As well as volumes on individual groups, the series will also deal with topics that have a cross-cutting relevance, such as the evolution of significant ecosystems, particular key times and events in the history of life, climate change, and the application of a new techniques such as molecular palaeontology. The books are written by leading international experts and will be pitched at a level suitable for advanced undergraduates, postgraduates, and researchers in both the paleontological and biological sciences. Additional resources for this book can be found at: http://www.wiley.com/go/brusatte/dinosaurpaleobiology.

A gorgeous, scientifically up-to-date exploration of the prehistoric world, written and illustrated by leading palaeontologists. An elegant factual guide to the prehistoric world of Hell Creek from the successful indie survival game Saurian. A beautiful, detailed exploration of the creatures and environment of this stunning game, and perfect for

all fans of paleoart.

We live in a golden age of archaeological discovery—the perfect time to dig into the spectacular world of dinosaurs. From Aardonyx, a lumbering beast that formed a link between two? and four?legged dinosaurs, to Zuniceratops, who boasted a deadly pair of horns, Dinosaurs—The Grand Tour, Second Edition details everything worth knowing about more than 300 dinosaurs. The important discoveries and gory details touch on topics from geology, anatomy, and evolution to astronomy and even Native American and Chinese myth. Fascinating facts abound: Giganotosaurus was longer, two tons heavier, and had bigger jaws than T. Rex. The poison?spitting Dilophosaurus from Jurassic Park wasn't actually venomous at all. Because of its bizarre single?clawed hands, scientists now believe Mononykus was a prehistoric ancestor of the anteater! Illustrations on virtually every page, true to the latest findings, bring these prehistoric creatures to life in all their razor?sharp, long?necked, spiny, scaly glory.

'Gripping and wonderfully informative' Tom Holland, New Statesman Adored by children and adults alike, Tyrannosaurus is the most famous dinosaur in the world, one that pops up again and again in pop culture, often battling other beasts such as King Kong, Triceratops or velociraptors in Jurassic Park. But despite the hype, Tyrannosaurus and the other

tyrannosaurs are fascinating animals in their own right, and are among the best-studied of all dinosaurs. Tyrannosaurs started small, but over the course of 100 million years evolved into the giant carnivorous bone-crushers that continue to inspire awe in palaeontologists, screenplay writers, sci-fi novelists and the general public alike.

Tyrannosaurus itself was truly impressive; it topped six tons, was more than 12m (40 feet) long, and had the largest head and most powerful bite of any land animal in history. The Tyrannosaur Chronicles tracks the rise of these dinosaurs, and presents the latest research into their biology, showing off more than just their impressive statistics – tyrannosaurs had feathers and fought and even ate each other. This book presents the science behind this research; it tells the story of the group through their anatomy, ecology and behaviour, exploring how they came to be the dominant terrestrial predators of the Mesozoic and, in more recent times, one of the great icons of biology.

A comprehensive illustrated guide to the birds of the Jurassic and Cretaceous periods and their dinosaurian forebears. Each species is illustrated in multiple views with size and distinguishing features highlighted. Includes introduction summarizing current research into bird origins and evolution, and what we know (and don't know) about the life appearance and habits of the first birds.

The best-selling Princeton Field Guide to Dinosaurs remains the must-have book for anyone who loves dinosaurs, from amateur enthusiasts to professional paleontologists. Pauls extensively revised introduction delves into dinosaur history and biology, the extinction of nonavian dinosaurs, the origin of birds, and the history of dinosaur paleontology, as well as giving a taste of what it might be like to travel back in time to the era when dinosaurs roamed the earth.

An insider's view on bringing extinct species back to life Could extinct species, like mammoths and passenger pigeons, be brought back to life? In How to Clone a Mammoth, Beth Shapiro, an evolutionary biologist and pioneer in ancient DNA research, addresses this intriguing question by walking readers through the astonishing and controversial process of de-extinction. From deciding which species should be restored to anticipating how revived populations might be overseen in the wild, Shapiro vividly explores the extraordinary cutting-edge science that is being used to resurrect the past. Considering de-extinction's practical benefits and ethical challenges, Shapiro argues that the overarching goal should be the revitalization and stabilization of contemporary ecosystems. Looking at the very real and compelling science behind an idea once seen as science fiction, How to Clone a Mammoth demonstrates how de-extinction will redefine conservation's future.

Dinosaurs have held sway over our imaginations since the discovery of their bones first shocked the world in the nineteenth century. From the monstrous beasts stalking Jurassic Park to the curiosities of the natural history museum, dinosaurs are creatures that unite young and old in awestruck wonder. Digging ever deeper into dinosaurs' ancient past, science continues to unearth new knowledge about them and the world they inhabited, a fantastic time when the footprints of these behemoths marked the Earth that we humans now walk. Who better to guide us through this ancient world than paleontologist Mark A. Norell? A world-renowned expert in paleontology, with a knowledge of dinosaurs as deep as the buried fossils they left behind, Norell is in charge of what is perhaps America's most popular collection of dinosaur bones and fossils, the beloved displays at the American Museum of Natural History in New York. In The World of Dinosaurs, he leads readers through a richly illustrated collection detailing the evolution of these ancient creatures. From the horns of the Protoceratops to the wings of the Archaeopteryx, readers are invited to explore profiles of dinosaurs along with hundreds of color photographs, sketches, maps, and other materials—all rooted in the latest scientific discoveries—sure to both capture the imagination and satisfy a prehistoric curiosity. The World of Dinosaurs presents an astonishing collection of

knowledge in an immersive visual journey that will fascinate any fan of Earth's ancient inhabitants. The ultimate illustrated guide to the lost world of prehistoric mammals After the mass extinction of the dinosaurs 65 million years ago, mammals became the dominant terrestrial life form on our planet. Roaming the earth were spectacular beasts such as saber-toothed cats, giant mastodonts, immense ground sloths, and gigantic giraffe-like rhinoceroses. Here is the ultimate illustrated field guide to the lost world of these weird and wonderful prehistoric creatures. A woolly mammoth probably won't come thundering through your vegetable garden any time soon. But if one did, this would be the book to keep on your windowsill next to the binoculars. It covers all the main groups of fossil mammals, discussing taxonomy and evolutionary history, and providing concise accounts of the better-known genera and species as well as an up-to-date family tree for each group. No other book presents such a wealth of new information about these animals—what they looked like, how they behaved, and how they were interrelated. In addition, this unique guide is stunningly illustrated throughout with full-color reconstructions of these beasts—many never before depicted—along with photographs of amazing fossils from around the world. Provides an up-to-date guidebook to hundreds of extinct species, from saber-toothed cats to giant mammoths Features a wealth

of color illustrations, including new reconstructions of many animals never before depicted Demonstrates evolution in action—such as how whales evolved from hoofed mammals and how giraffes evolved from creatures with short necks Explains how mass extinctions and climate change affected mammals, including why some mammals grew so huge

This is the completely revised edition of the essential field guide to the birds of New Guinea. The world's largest tropical island, New Guinea boasts a spectacular avifauna characterized by cassowaries, megapodes, pigeons, parrots, cuckoos, kingfishers, and owlet-nightjars, as well as an exceptionally diverse assemblage of songbirds such as the iconic birds of paradise and bowerbirds. Birds of New Guinea is the only guide to cover all 780 bird species reported in the area, including 366 endemics. Expanding its coverage with 111 vibrant color plates—twice as many as the first edition—and the addition of 635 range maps, the book also contains updated species accounts with new information about identification, voice, habits, and range. A must-have for everyone from ecotourists to field researchers, Birds of New Guinea remains an indispensable guide to the diverse birds of this remarkable region. 780 bird species, including 366 found nowhere else 111 stunning color plates, twice the number of the first edition Expanded and updated species accounts provide details on

identification, voice, habits, and range 635 range maps Revised classification of birds reflects the latest research

Collects writings by experts in paleontology, from John Horner on dinosaur families to Robert Bakker on the latest wave of fossil discoveries.

The most up-to-date and authoritative illustrated field guide to the marvelous flying reptiles that dominated the skies of the Mesozoic for 160 million years Once seen by some as evolutionary dead-enders, pterosaurs were vigorous winged reptiles capable of thriving in an array of habitats and climates, including polar winters. The Princeton Field Guide to Pterosaurs transforms our understanding of these great Mesozoic archosaurs of the air. This incredible field guide covers 115 pterosaur species and features stunning illustrations of pterosaurs ranging in size from swallows to small sailplanes, some with enormous, bizarre head crests and elongated beaks. It discusses the history of pterosaurs through 160 million years of the Mesozoic, their anatomy, physiology, locomotion, reproduction and growth, extinction, and even gives a taste of what it might be like to travel back to the Mesozoic. This one-of-a-kind guide also challenges the common image of big pterosaurs as ultralights that only soared, showing how these spectacular creatures could be powerful flappers as heavy as bears. Features detailed species accounts of 115 different kinds of pterosaurs, with the latest size and mass estimates Written and illustrated by the acclaimed researcher and artist who helped to redefine the anatomy and flight performance of pterosaurs Covers everything from pterosaur biology to the colorful history of pterosaur paleontology Includes dozens of original skeletal drawings and full-color life studies

The horned dinosaurs, a group of rhinoceros-like creatures

that lived 100 to 65 million years ago, included one of the greatest and most popular dinosaurs studied today: Triceratops. Noted for his flamboyant appearance--marked by a striking array of horns over the nose and eyes, a long bony frill at the back of the head, and an assortment of lumps and bumps for attracting females--this herbivore displayed remarkable strength in its ability to fight off Tyrannosaurus rex. It was also among the last dinosaurs to walk the earth. In telling us about Triceratops and its relatives, the Ceratopsia, Peter Dodson here re-creates the sense of adventure enjoyed by so many scientists who have studied them since their discovery in the mid-nineteenth century. From the badlands of the Red Deer River in Alberta to the Gobi Desert, Dodson pieces together fossil evidence to describe the ceratopsians themselves--their anatomy, biology, and geography--and he evokes the human dimension of their discovery and interpretation. An authoritative survey filled with many original illustrations, this book is the first comprehensive presentation of horned dinosaurs for the general reader. Dodson explains first the fascinating ways in which the ceratopsians dealt with their dangerous environment. There follows a lesson on ceratopsian bone structure, which enables the reader quickly to grasp the questions that still puzzle scientists, concerning features such as posture, gait, footprints, and diet. Dodson evenhandedly discusses controversies that continue, for example, over sexual dimorphism and the causes of the dinosaurs' disappearance. Throughout his narrative, we are reminded that dinosaur study is a human enterprise. We meet the scientists who charmed New York high society into financing expeditions to Mongolia, home of Triceratops' predecessors, as well as those who used their poker winnings to sustain paleontology expeditions. Rich in fossil lore and in tales of adventure, the world of the Ceratopsia is presented here for specialists and

general readers alike. Originally published in 1996. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.
Explores the history of dinosaurs and the discoveries that have been made about them, including how dinosaurs lived, why they went extinct, and what fossil evidence explains about them.
Provides in-depth entries on early Earth's climates, conditions, animal and plant life forms that flourished and floundered throughout each era, along with biographies of notable figures.
Dig into Paleontology with Dino Dana #1 New Release in Children's Dinosaur Books and Fossil Books Following up on the #1 Bestseller comes Dino Dana: Dino Field Guide, Volume 2 - Pterosaurs and Other Prehistoric Creatures. Part paleontology field guide, part encyclopedia for kids, this colorful second volume explores some of the amazing creatures that once flew through the sky, swam in the oceans, and stomped on prehistoric earth. An introduction to dinosaur fossils for kids. Everyone’s favorite Emmy-award winning paleontologist returns?this time, exploring all sorts of prehistoric marine animals, mammals, and insects. With stunning illustrations, fascinating facts, and thought-provoking experiments, this second Dino Dana field guide offers a creative, inside look into the world of paleontology for kids. For readers of books about dinosaurs for kids. A prehistoric animal encyclopedia for kids like no other, Dino Dana: Dino

Field Guide, Volume 2 offers endless facts about dinosaurs, fossils, and prehistoric times. Complete with a photo glossary, size comparisons, and tons of DIY activities, Dino Dana's second volume makes a wonderful addition to any collection of dinosaur books or Dino Dana toys. Inside this interactive dinosaur encyclopedia, kids will learn which dinosaur was: • The first bird • The largest fish to have ever existed • Named after of the whale in Moby Dick If you're looking for nature books for kids, science books for kids age 9-12, or dinosaur books for kids 8-12?or enjoy the Jurassic World book series, look and find books, or National Geographic Little Kids First Big Book of Dinosaurs?then you'll love Dino Dana: Dino Field Guide, Volume 2 - Pterosaurs and Other Prehistoric Creatures.

Brimming with details of a world before our time, Age of Dinosaurs is the perfect book for anyone interested in the evolution of dinosaurs over millions of years. Beautiful illustrations transport readers to the distant past and show what these creatures may have been like all those millennia ago.

A book for everyone fascinated by the huge beasts that once roamed the earth, Rhinoceros Giants: The Paleobiology of the Indricotheres introduces a prime candidate for the largest land mammal that ever lived--the giant hornless rhinoceros, Indricotherium. These massive animals lived in Asia and Eurasia for more than 14 million years, about 37 to 23 million years ago. They had skulls 2 metres / 6 feet long, stood over 7 meters / 22 feet high at the shoulder, and were nearly twice as heavy as the largest elephant ever recorded, tipping the scales at 20,000 kg / 44,100 pounds. Fortunately, the big brutes were vegetarians, although they must have made predators think twice before trying to bring them down. In this book for lovers of ancient creatures great and small, Donald R. Prothero tells their story, from their discovery by

palaeontologists just a century ago to the latest research on how they lived and died, with some interesting side trips along the way.

Sensational discoveries during the past decade have shed new light on the most intimate details of dinosaurs' lives, including their appearance and behavior, their family structures, and their sex lives. The latest dinosaur findings present a far more vivid and complete picture of this extraordinarily successful group of animals than would have been thought possible only a few years ago. Recent findings in South America, Madagascar, Mongolia, China, and Australia have revealed the existence of amazing and exotic dinosaurs. Paleontologist Henry Gee and artist Luis Ray have seamlessly integrated all of the most recent discoveries in the making of this unique book. In A Field Guide to Dinosaurs, Renowned dinosaur artist Luis V. Rey and paleontologist and writer Henry Gee use up-to-the-minute research findings to paint a vivid picture of the dinosaurs' world. Their unique approach gives readers lifelike portrayals of dinosaurs similar to that of naturalists in the wild, observing living animals of our own era. Readers will experience dinosaurs as living, breathing creatures, with each kind described "from the field" and shown in breathtaking illustrations. Dinosaur physiology is shown in full-color paintings, anatomical sketches, and a host of fascinating incidental detail, much of it never published outside specialist journals. Readers will understand the dinosaurs' environment in terms of the world's changing face throughout the 180-million-year extent of the dinosaur-dominated Mesozoic Era, with a detailed, full-color chart that relates the time span of each dinosaur group. The book also includes at-a-glance icons that convey information about different dinosaur groups, including size, taxonomy, geological period, and geographical origins.

Provides a species-by-species catalog of predatory dinosaurs known to have existed.

"Magnificent in its breadth and illustration." -- Booklist Dinosaurus was published in 2003 and went on to sell 15,000 in hardcover and more in paperback. Now 13 years have passed during which there have been dozens of discoveries. At the same price and fully revised, this edition of Dinosaurus is simply too exceptional a value to pass up. Many incredible discoveries made 2015 a banner year. For example: Yi qi ("ee chee," "strange wing"), the earliest known flying non-avian dinosaur The "Chicken from Hell," a bird-like beaked, clawed and feathered dinosaur that roamed the Dakotas Zhenyuanlong suni, a cousin of Velociraptor, suggests that this family has been inaccurately depicted. The new 5-foot-long dino more resembles a feathered poodle than the brute of Jurassic Park. "Superduck," at 5 tons and with a mate-attracting head crest it is thought to be a missing link between two other known duck-billed head-crested dinosaur species. Perhaps most exciting is that in 2016 the American Museum of Natural History opened a new exhibition featuring the astonishing, newly discovered 122-foot-long titanosaur, yet to be named. The plant-eating colossus is the largest dinosaur ever found -- it weighed around 77 tons--as much as 14 or 15 African elephants! No other life-form captures the imagination like dinosaurs.

Organized by the major dinosaur families, Dinosaurus identifies 500 species. It describes in detail and stunning illustrations what they looked like, what they ate and how they fought, lived and died. The features include: Concise explanations of species' traits and habits Vivid full-color illustrations representing life among the dinosaurs Stunning color photographs of dinosaur discoveries Latin name, translation and pronunciation Height specifics and comparison to humans Diet and habitat Global distribution. Brimming with research from digs in North America, Mongolia, Europe, China and elsewhere, Dinosaurus is an encyclopedic and vividly illustrated reference for all ages.

This book is a fully revised and updated second edition of the only comprehensive guide to the mammals of South-east Asia, one of the world's richest regions in terms of mammal diversity, where species new to science are still being described regularly, though there is increasing pressure on all of its wild mammal populations. From large mammals such as the elephant, big cats, dolphins and whales through bears, monkeys and badgers to bats, civets, rats and shrews, more than 550 species are described in detail, including key identification characteristics, habitat, behaviour, distribution and status, accompanied by line drawings of footprints and details of anatomy, or other aspects of identification. Beautiful colour plates depict nearly all

species and their variations, while accompanying range maps provide up-to-date information on distribution. This field guide is essential for any naturalist or traveller visiting this special corner of Asia.

This is a New York Public Library Outstanding Reference Book of 1998. While the inhabitants of the lost world have long held sway over our imaginations, in recent years dinosaur science has experienced an explosive growth. More books on dinosaurs have been published in the past decade than in all the previous 150 years since Richard Owen named these 'fearfully great lizards' (correctly, 'reptiles'), and dinosaur research continues to make headlines. Reporting the latest discoveries and research, this book is an exuberant celebration of dinosaurs and of our ongoing fascination with them. Here, in one volume, is the single, most-authoritative account of dinosaur paleontology for the general reader. So rapidly has the field expanded that no individual can hope to master all the aspects of dinosaur paleontology. For this book, the editors have brought together forty-six experts in subjects ranging from functional morphology and paleobiology to biogeography and systematics to present a thorough survey of the dinosaurs from the earliest discoveries through the contemporary controversies over their extinction. Where contention exists, as over the question of whether dinosaurs

were warm-blooded or cold-blooded, the editors have let the experts agree to disagree. Throughout technical jargon is kept to a minimum, and there is also a glossary of less familiar terms. Readers will find a wealth of information on the study and classification of dinosaurs, on each of the dinosaur groups, and on dinosaur biology and evolution. Not the least among these riches are the more than 350 illustrations (Including 16 pages of color plates), many prepared especially for this volume. The volume concludes with a survey of dinosaurs in the media and a chronology of the history of dinosaur science. This is the single most authoritative account of dinosaur paleontology for the general public, all in one volume. Sumptuously illustrated, with up-to-the-minute information, it features: more than 350 illustrations, including 16 pages in full color; each chapter written by an expert in dinosaur studies; includes the latest dinosaur discoveries; new information on the warm-blooded/cold-blooded debate; new insights on the possibility of isolating dinosaur DNA; what dinosaurs ate and how we know about it; dinosaurs in the media; a time-line of the history of dinosaur science; and much, much more! An illustrated record book of sauropod facts and figures—the hugest, the oldest, the most intelligent, and more The sauropod dinosaurs roamed the planet for millions of years, with creatures ranging from the smallest of the sauropods, Magyarosaurus,

to the huge Argentinosaurus. This illustrated book of records is an essential compendium of sauropod facts and figures—from the biggest and the oldest to the smallest and the rarest. It covers every known species and features more than 2,000 diagrams and technical drawings along with hundreds of full-color reconstructions of specimens. The book is divided into sections that put numerous amazing sauropod facts at your fingertips. "Comparing Species" is organized by taxonomic group and gives comparisons of the size of species, how long ago they lived, and when they were discovered. "Mesozoic Calendar" includes page spreads showing the positions of the continents at different geological time periods and reconstructions of creatures from each period. "Prehistoric Puzzles" compares bones and teeth while "Sauropod Life" presents user-friendly graphics to answer questions like what did they eat and which was the most intelligent. There are sections that chart sauropod distribution on the contemporary world map, provide illustrated listings of footprints, compile the physical specifications of all known sauropods, and more. The essential illustrated record book for anyone interested in dinosaurs Features a wealth of comparative records Includes more than 2,000 diagrams and technical drawings and hundreds of full-color reconstructions Covers all known sauropodomorph species Provides listings of

footprints, biometric specifications, and scholarly and popular references

Find out about every dinosaur that's ever been discovered in this brilliant dictionary full of dinosaurs! From the Aardonyx to the Zuniceratops, discover when they lived, where they lived, what they ate and much more! Jam-packed full of fascinating facts from top dino experts and epic illustrations of all the world's best loved dinosaurs including Diplodocus, T-rex, Triceratops,Velociraptor, Stegosaurus and Brachiosaurus. This comprehensive fact file of every dinosaur to have been discovered is a must for any budding paleontologist or young dinosaur fan!

The most authoritative illustrated book on flying reptiles available For 150 million years, the skies didn't belong to birds—they belonged to the pterosaurs. These flying reptiles, which include the pterodactyls, shared the world with the nonavian dinosaurs until their extinction 65 million years ago. Some pterosaurs, such as the giant azhdarchids, were the largest flying animals of all time, with wingspans exceeding thirty feet and standing heights comparable to modern giraffes. This richly illustrated book takes an unprecedented look at these astonishing creatures, presenting the latest findings on their anatomy, ecology, and extinction. Pterosaurs features some 200 stunning illustrations, including original paintings by Mark Witton and photos of rarely seen fossils. After decades of

mystery, paleontologists have finally begun to understand how pterosaurs are related to other reptiles, how they functioned as living animals, and, despite dwarfing all other flying animals, how they managed to become airborne. Here you can explore the fossil evidence of pterosaur behavior and ecology, learn about the skeletal and soft-tissue anatomy of pterosaurs, and consider the newest theories about their cryptic origins. This one-of-a-kind book covers the discovery history, paleobiogeography, anatomy, and behaviors of more than 130 species of pterosaur, and also discusses their demise at the end of the Mesozoic. The most comprehensive book on pterosaurs ever published Features some 200 illustrations, including original paintings by the author Covers every known species and major group of pterosaurs Describes pterosaur anatomy, ecology, behaviors, diversity, and more Encourages further study with 500 references to primary pterosaur literature

Through a series of journal entries, kids will uncover the mysteries of the dinosaur kingdom-from the speedy and agile Coelophysis to the existence of Pangaea, the landmass of the earth some 227 million years ago when all of the continents were one.

After the mass extinction of the dinosaurs 65 million years ago, mammals became the dominant terrestrial life form on our planet. Roaming the earth were spectacular beasts such

as saber-toothed cats, giant mastodonts, immense ground sloths, and gigantic giraffe-like rhinoceroses. Here is the ultimate illustrated field guide to the lost world of these weird and wonderful prehistoric creatures. A woolly mammoth probably won't come thundering through your vegetable garden any time soon. But if one did, this would be the book to keep on your windowsill next to the binoculars. It covers all the main groups of fossil mammals, discussing taxonomy and evolutionary history, and providing concise accounts of the better-known genera and species as well as an up-to-date family tree for each group. No other book presents such a wealth of new information about these animals—what they looked like, how they behaved, and how they were interrelated. In addition, this unique guide is stunningly illustrated throughout with full-color reconstructions of these beasts—many never before depicted—along with photographs of amazing fossils from around the world. Provides an up-to-date guidebook to hundreds of extinct species, from saber-toothed cats to giant mammoths Features a wealth of color illustrations, including new reconstructions of many animals never before depicted Demonstrates evolution in action—such as how whales evolved from hoofed mammals and how giraffes evolved from creatures with short necks Explains how mass extinctions and climate change affected mammals, including why some mammals grew so huge

A fully updated and expanded new edition of the acclaimed, bestselling dinosaur field guide The bestselling Princeton Field Guide to Dinosaurs remains the must-have book for anyone who loves dinosaurs, from amateur enthusiasts to professional paleontologists. Now extensively revised and expanded, this dazzlingly illustrated large-format edition features some 100 new dinosaur species and 200 new and updated illustrations, bringing readers up to the minute on the latest discoveries and research that are radically transforming

what we know about dinosaurs and their world. Written and illustrated by acclaimed dinosaur expert Gregory Paul, this stunningly beautiful book includes detailed species accounts of all the major dinosaur groups as well as nearly 700 color and black-and-white images—skeletal drawings, "life" studies, scenic views, and other illustrations that depict the full range of dinosaurs, from small feathered creatures to whale-sized supersauropods. Paul's extensively revised introduction delves into dinosaur history and biology, the extinction of nonavian dinosaurs, the origin of birds, and the history of dinosaur paleontology, as well as giving a taste of what it might be like to travel back in time to the era when dinosaurs roamed the earth. Now extensively revised and expanded Covers nearly 750 dinosaur species, including scores of newly discovered ones Provides startling new perspectives on the famed Brontosaurus and Tyrannosaurus Features nearly 700 color and black-and-white drawings and figures, including life studies, scenic views, and skull and muscle drawings Includes color paleo-distribution maps and a color time line Describes anatomy, physiology, locomotion, reproduction, and growth of dinosaurs, as well as the origin of birds and the extinction of nonavian dinosaurs

A stunning visual record of feathered dinosaurs illuminates the evolutionary march from these extraordinary prehistoric creatures through to the first true flying birds and includes an engaging companion text that places these feathered dinosaurs within the larger family of dinosaurs.

Fully illustrated and immersive guide to the latest research in these incredible animals. Discover the groundbreaking developments in dinosaur research with this state-of-the-art guide to dinosaur biology. Written by experts from a leading dinosaur research centre, this book begins by tracing the evolution of the dinosaur from 225 million years ago through to the end of the Cretaceous Period, exploring how they lived

and what happened during the great extinction event. Research on these fantastic animals is proceeding at a faster pace than ever before. Dinosaurs explores the most recent global discoveries and the major role that new technologies play in revealing previously inaccessible and unknown details about how dinosaurs lived, such as the use of CT-scanning we can now look inside a dinosaur skull and gain new information on brains and sense organs. This engaging book reveals the latest findings about dinosaur anatomy and behaviour, evolution, diversity and lifestyle, and is lavishly illustrated with artwork, photographs and artistic reconstructions that bring these iconic creatures to life.

This text is intended for a one-quarter or one-semester introductory course on dinosaurs. It is a book that introduces dinosaur biology, geology, and the history of their discovery. It is a text that presents facts together with current ideas, notions, and controversies. Dr. Lucas presents dinosaurs as successful, living creatures that were merely different in appearance from animals living today. The book is designed to be understood by students with little scientific background as it teaches students not only how to use scientific methods, but how to synthesize data to create their own ideas.

Discusses dinosaur research and what can be learned from it, providing information about the age of the dinosaurs, what plant life was like, different dinosaurs, non-dinosaur animals, and what the Earth looked during their time.