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Exploring the Past - Anita Croy 2011-01-15

Describes the hidden artifacts, remains, and other details that help people understand the past.

How to Build a Human - Pamela S. Turner 2022-04-12

The epic story of our evolution in seven big steps! How did we become who we are? With trademark wit, acclaimed science writer Pamela S. Turner breaks down human evolution into the seven most important steps leading to Homo sapiens. How, when, and why did we: 1. stand up, 2. smash rocks, 3. get swelled heads, 4. take a hike, 5. invent barbecue, 6. start talking (and never shut up), and 7. become storytellers? This fascinating, wickedly funny account of our evolutionary journey turns science into an irresistible story. Vetted by experts at the Smithsonian's Human Origins Program, the book also features incredibly detailed portraits by celebrated paleo-artist John Gurche that bring our early ancestors to life.

The First Human - Ann Gibbons 2007-04-10

In this dynamic account, award-winning science writer Ann Gibbons chronicles an extraordinary quest to answer the most primal of questions: When and where was the dawn of humankind? Following four intensely competitive international teams of scientists in a heated race to

find the “missing link”—the fossil of the earliest human ancestor—Gibbons ventures to Africa, where she encounters a fascinating array of fossil hunters: Tim White, the irreverent Californian who discovered the partial skeleton of a primate that lived 4.4 million years ago in Ethiopia; French paleontologist Michel Brunet, who uncovers a skull in Chad that could date the beginnings of humankind to seven million years ago; and two other groups—one led by zoologist Meave Leakey, the other by British geologist Martin Pickford and his French paleontologist partner, Brigitte Senut—who enter the race with landmark discoveries of their own. Through scrupulous research and vivid first-person reporting, *The First Human* reveals the perils and the promises of fossil hunting on a grand competitive scale.

Humans - Christopher Patrick Seddon 2018-10-08

In just a few years, our understanding of the human past has changed beyond recognition as new discoveries and advances in genetic techniques overturn long-held beliefs and make international news. Written for the non-specialist, *Humans: from the beginning* is an ideal 'one-stop' text for anybody seeking to learn about our distant past.

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A Pocket History of Human Evolution - Silvana Condemi 2019-11-01

Why aren't we more like other apes? How did we win the evolutionary race? Find out how "wise" Homo sapiens really are. Prehistory has never been more exciting: New discoveries are overturning long-held theories left and right. Stone tools in Australia date back 65,000 years—a time when, we once thought, the first Sapiens had barely left Africa. DNA sequencing has unearthed a new hominid group—the Denisovans—and confirmed that crossbreeding with them (and Neanderthals) made Homo sapiens who we are today. A Pocket History of Human Evolution brings us up-to-date on the exploits of all our ancient relatives.

Paleoanthropologist Silvana Condemi and science journalist François Savatier consider what accelerated our evolution: Was it tools, our "large" brains, language, empathy, or something else entirely? And why are we the sole survivors among many early bipedal humans? Their conclusions reveal the various ways ancient humans live on today—from gossip as modern "grooming" to our gendered division of labor—and what the future might hold for our strange and unique species.

When We Became Humans - Michael Bright 2019-07-16

What makes us human, and where did we come from? How did a clever ape climb down from the trees and change the world like no other animal has done before? This large-format, highly illustrated book guides readers through the key aspects of the human story, from the anatomical changes that allowed us to walk upright and increased brain size in our ancestors, to the social, cultural, and economic developments of our more recent cousins and our own species. Along the way, focus spreads take a closer look at some of the key species in our history, from the ancient Australopithecus Afarensis, 'Lucy', to our recent cousins the Neanderthals and ourselves, Homo sapiens. Looking beyond the anatomical evolution of humans, this book explores how our culture and way of living has evolved, from how trails of cowry shells reveal early trade between tribes, to how and why humans first domesticated dogs, horses, and farm animals, and began settling in permanent villages and cities. Through digestible information and absorbing illustration, young readers will be given an insight into their own origins, and what it really

means to be a human.

Billions of Years, Amazing Changes - Laurence Pringle 2011-10-01

This highly engaging exploration of the concept of evolution lays out the history of life on earth—what we know and how we know it. Ever since Charles Darwin revealed his landmark ideas about evolution in 1859, new findings have confirmed, expanded, and refined his concepts. This ALSC Notable children's book brings together the pillars of evidence that support our understanding of evolution. In addition to stunning illustrations, more than fifty photographs capture natural marvels, including awe-inspiring fossils, life forms, and geological wonders. The result is a full and clear account of the monumental evidence supporting the modern view of evolution.

Prehistory - Colin Renfrew 2009-08-11

In Prehistory, the award-winning archaeologist and renowned scholar Colin Renfrew covers human existence before the advent of written records—the overwhelming majority of our time here on earth—and gives an incisive, concise, and lively survey of the past, and of how scholars and scientists labor to bring it to light. Renfrew begins by looking at prehistory as a discipline, detailing how breakthroughs such as radiocarbon dating and DNA analysis have helped us to define humankind's past—how things have changed—much more clearly than was possible just a half century ago. As for why things have changed, Renfrew pinpoints some of the issues and challenges, past and present, that confront the study of prehistory and its investigators. Renfrew then offers a summary of human prehistory from early hominids to the rise of literate civilization that is refreshingly free of conventional wisdom and grand "unified" theories. In this invaluable account, Colin Renfrew delivers a meticulously researched and passionately argued chronicle about our life on earth—and our ongoing quest to understand it.

Walking with Cavemen - John Lynch 2003

Uses the live-action photography and computer-generated images from the Discovery Channel series of the same name, along with the latest archaeological discoveries, to provide a history of human evolution on Earth.

Life: the First Four Billion Years - Martin Jenkins 2019-09-10

Award-winning children's book creators Martin Jenkins and Grahame Baker-Smith team up for a large-scale look at our planet, from the big bang to the dinosaurs and beyond. Before humans took their first steps, there were billions of years of vibrant and varied life-forms on Earth. Discover the story of our planet during this time, from the formation of the universe to the first mammals and all the incredible life that flourished in between. Covering ice ages and fossils, the first life in the sea and on land, the time of the dinosaurs, and the rise of mammals, Martin Jenkins navigates through millennia of prehistory in a style both enthralling and accessible. With superb illustrations from Kate Greenaway Medal winner Grahame Baker-Smith, this is a captivating journey through the life of our planet before we called it ours.

Modern Humans - Rebecca Steffoff 2010-01-15

"Describes the rise of modern humans, Homo sapiens, including the theories about our origins and how we spread throughout the world, with information based on the latest fossil and DNA studies"--Provided by publisher.

Little People and a Lost World - Linda Goldenberg 2007-01-01

Examines the archaeological find of the Flores Island "hobbits" -- extremely small human ancestors who lived until 13,000 years ago in Indonesia.

Who We are and how We Got Here - David Reich (Of Harvard Medical School) 2018

David Reich describes how the revolution in the ability to sequence ancient DNA has changed our understanding of the deep human past. This book tells the emerging story of our often surprising ancestry - the extraordinary ancient migrations and mixtures of populations that have made us who we are.

The Complete Human Body - Alice Roberts 2016-06-07

Intricate details of all aspects of the human body down to the smallest detail - from our cells and DNA to the largest bone in our bodies, the femur. 3D generated illustrations and medical imaging provide a close look at the body's forms and functions in physiology and anatomy,

showing how the body works and its amazing systems and abilities. To understand our modern human bodies, this book first looks at our ancestors and how the evolution of Homo Sapiens shaped our anatomy. This gave us the ability to walk tall, create language, and make tools with our incredibly adapted opposable thumbs. Learn how we can see evolution in our DNA, and the functions of DNA. Read about the things you can only see with microscopes and other special imaging machines, like cell structure, motor pathways in the brain, and the inner iris. All these many parts work together to make the human body. The physiology of our body is written in clarifying detail. Learn about the organs and systems that operate within, like the cardiovascular, digestive, and neural systems. See our elegant anatomy and read how the skeleton, muscles, and ligaments operate to allow movement. This second edition has included more detail on the joints in the hands and feet. The Complete Human Body takes you from infancy to old age showing how our body grows and changes, and what can go wrong. 2nd Edition: Enhanced and Updated This visual guide uses remarkable illustrations and diagrams to peek inside our complex and astounding bodies. It has been written in an easy-to-follow format, with straightforward explanations to give you the best overview of the many things that make us human. Suitable for young students who want an extra resource for school, people working in medical fields, or for anyone with a keen interest in human biology. Inside the body of the book: - The Integrated Body - Anatomy - How the Body Works - Life Cycles - Diseases and Disorders

First Humans - Rebecca Steffoff 2010-01-15

Take a step back in time to explore the first humans.

The Human Story - Christopher Sloan 2004

Explores the origins of humans, including how such developments as Linnaeus' classification system and recent understanding of the human genome have improved scientists' comprehension of evolution.

Origins - Frank H. T. Rhodes 2016-07-28

"Fossils are the fragments from which, piece by laborious piece, the great mosaic of the history of life has been constructed. Here and there,

we can supplement these meager scraps by the use of biochemical markers or geochemical signatures that add useful information, but, even with such additional help, our reconstructions and our models of descent are often tentative. For the fossil record is, as we have seen, as biased as it is incomplete. But fragmentary, selective, and biased though it is, the fossil record, with all its imperfections, is still a treasure. Though whole chapters are missing, many pages lost, and the earliest pages so damaged as to be, as yet, virtually unreadable, this—the greatest biography of all—is one in whose closing pages we find ourselves."—from *Origins* In *Origins*, Frank H. T. Rhodes explores the origin and evolution of living things, the changing environments in which they have developed, and the challenges we now face on an increasingly crowded and polluted planet. Rhodes argues that the future well-being of our burgeoning population depends in no small part on our understanding of life's past, its long and slow development, and its intricate interdependencies. Rhodes's accessible and extensively illustrated treatment of the origins narrative describes the nature of the search for prehistoric life, the significance of geologic time, the origin of life, the emergence and spread of flora and fauna, the evolution of primates, and the emergence of modern humans.

Early Humans - 1991

Evolution - Alice Roberts 2018-07-10

Travel back in time eight million years to explore the roots of the human family tree. Interweaving latest discoveries, maps, and incredible illustrations, *Evolution* tells the story of our origins and helps us better understand our species, from tree-dwelling primates to modern 21st-century humans. Renowned Dutch paleoartists the Kennis brothers bring our ancestors to life with their beautiful, accurate reconstructions that visually trace each step in our evolutionary history. Combined with clear prose, this comprehensive yet accessible book provides a rich history of each stage of human evolution, from human anatomy and behaviour to the environment we live in. It also explains how *Homo sapiens* originated, evolved, and then migrated and colonized the entire planet.

Written and authenticated by a team of experts and with a foreword by Dr Alice Roberts, *Evolution* is a sweeping account of humans and our place in it.

The Sediments of Time - Meave Leakey 2020

Meave Leakey's thrilling, high-stakes memoir--written with her daughter Samira--encapsulates her distinguished life and career on the front lines of the hunt for our human origins, a quest made all the more notable by her stature as a woman in a highly competitive, male-dominated field.

The World Before Us - Tom Higham 2021-03-25

'The who, what, where, when and how of human evolution, from one of the world's experts on the dating of prehistoric fossils' Steve Brusatte, author of *The Rise and Fall of the Dinosaurs* 'Fascinating and entertaining. If you read one book on human origins, this should be it' Ian Morris, author of *Why the West Rules - For Now* 50,000 years ago, we were not the only species of human in the world. There were at least four others, including the Neanderthals, *Homo floresiensis*, *Homo luzonensis* and the Denisovans. At the forefront of the latter's ground-breaking discovery was Oxford Professor Tom Higham. In *The World Before Us*, he explains the scientific and technological advancements - in radiocarbon dating and ancient DNA, for example - that allowed each of these discoveries to be made, enabling us to be more accurate in our predictions about not just how long ago these other humans lived, but how they lived, interacted and live on in our genes today. This is the story of us, told for the first time with its full cast of characters. 'Exciting' David Abulafia, author of *The Boundless Sea* 'Remarkable' Rebecca Wragg Sykes, author of *Kindred* 'Thrilling' David Reich, author of *Who We Are and How We Got Here* 'Brilliant' Chris Gosden, author of *The History of Magic* 'Gripping and fun' Paul Collier, author of *The Bottom Billion* 'Essential' Barry Cunliffe, author of *The Scythians* 'Profoundly entertaining' Brian Fagan, author of *World Prehistory*

Children of Time - Anne H. Weaver 2012-04-15

Ancient relics--stone tools, bones, footprints, and even DNA--offer many clues about our human ancestors and how they lived. At the same time, our kinship with our human ancestors lies as much in their sense of

humor, their interactions with others, their curiosity and their moments of wonder, as it does in the shape of their bones and teeth. And the evolution of human behavior left no direct fossil traces. Children of Time brings this vanished aspect of the human past to life through Anne Weaver's scientifically-informed imagination. The stories move through time, following the lives of long-ago hominins through the eyes of their children. Each carefully researched chapter is based on an actual child fossil—a baby, a five-year-old, a young adolescent, and teenagers. The children and their families are brought to life through illustrator Matt Celeskey's vividly rendered paleoenvironments where they encounter saber-toothed cats, giraffids, wild dogs, fearsome crocodiles, and primitive horses. Their adventures invite readers to think about what it means to be human, and to speculate on the human drama as it unfolds in many dimensions, from social organization and technology to language, music, art, and religious consciousness. Visit the website at www.children-of-time.com.

Natural Selection - J. Phil Gibson 2009

In his groundbreaking book *Natural Selection*, Charles Darwin explained his theory that evolution is driven by adaptation of species to their environmental surroundings. From the tiniest microbe to the largest whale, all organisms have changed over vast expanses of time due to the forces of natural selection. This new title in the Science Foundations series provides an overview of the processes and causes that drive natural selection and the principles that explain how it operates, using numerous diverse organisms as examples. *Natural Selection* promotes a solid understanding of how organisms change over the course of generations and how current biodiversity came to be.

Evolution - Kristi Lew 2010-08-15

Discusses early theories of evolution, the work of Darwin, fossil and other evidence, and the effects of evolution on humans and the future.

Evolution (Revised Edition) - Paul Fleisher 2013-01-01

Outraged people claimed that Darwin's theory had made humans the relatives of monkeys. Scientists were sure that species changed over time, but no one could explain how. In the 1800s, Charles Darwin's

studies of thousands of specimens of living things showed that no two individuals of any species were exactly alike. He realized that over millions of years, some individuals had traits that gave them an edge to survive and reproduce. As they reproduced, the successful traits were inherited by later generations. This book explains Darwin's theory. It shows how later discoveries in genetics provided more evidence that the theory of evolution works. Each year, scientists in many fields are making new discoveries that provide further proof of Darwin's world-shaking ideas.

Origins - Rebecca Steffoff 2010-01-15

Take a step back in time to explore the origin of humans.

Emergent Holistic Consciousness - Stuart P. Heywood 2011-01-11

Natural Science underpinned the modern Darwinian theory of evolution—physical: Seeing Eye empiricism: physical (sensory) mode. Rudolf Steiner (1861-1925) philosopher, scientist and educator introduced a Natural Science post-modern understanding a physical-spiritual: Seeing Eye and connecting mind's I delicate empiricism: spiritual-physical (non-sensory) mode—underpinning and enhancing the theory of evolution. For historic accuracy we trace Rudolf Steiner's 'quest' to bring both these modes together—modern natural scientific materialism (the dragon) and philosophical spiritual scientific knowledge—that lights our path and enables a threefold exploration of our spiritual-physical evolutionary development (Spiritual: invisible - Physical: visible). The 'body - soul' divide: (body: physical sensory mode - soul: spiritual non-sensory mode). Natural Science: Nature and Super-Nature: The use of the term super-natural is very different from the way the word 'supernatural' is commonly used and understood, (fantasy, black magic). Super-natural here equates to Nature and Natural Science: super-natural phenomena are only natural phenomena presenting at a higher or super -though- still natural level. Evolution: Goethe's Naturphilosophie was a metamorphosis of 'Nature philosophy'. In this same way Steiner's Spiritual Science, a higher form of Naturphilosophie, conceived a purely active spiritual element a Meta transmutation had taken place: Naturmetaphilosophie.

Ice Age Neanderthals - Rebecca Stefoff 2010-01-15

Take a step back in time to explore ice age neanderthals.

Human Prehistory - Deborah Barsky 2022-07-31

This book provides a concise overview of human prehistory. It shows how an understanding of the distant past offers new perspectives on present-day challenges facing our species - and how we can build a sustainable future for all life on planet Earth. Deborah Barsky tells a fascinating story of the long-term evolution of human culture and provides up-to-date examples from the archaeological record to illustrate the different phases of human history. Barsky also presents a refreshing and original analysis about issues plaguing modern globalized society, such as racism, institutionalized religion, the digital revolution, human migrations, terrorism, and war. Written in an accessible and engaging style, Human Prehistory is aimed at an introductory-level audience. Students will acquire a comprehensive understanding of the interdisciplinary, scientific study of human prehistory, as well as the theoretical interpretations of human evolutionary processes that are used in contemporary archaeological practice. Definitions, tables, and illustrations accompany the text.

Creativity in Human Evolution and Prehistory - Steven Mithen
2005-08-10

The book examines how our understanding of human creativity can be extended by exploring this phenomenon during human evolution and prehistory.

Changing Life on Earth - Eve Hartman 2009

Introduces evolution, discussing such topics as natural selection, genetics, and adaptation.

The Rift Valley and the Archaeological Evidence of the First Humans - Kristina Lyn Heitkamp 2016-07-15

East Africa's Rift Valley has proven a rich source of information about our distant ancestors. Fossil finds there, including the famous Lucy and Turkana Boy, have permanently altered our understanding of how modern humans evolved. Readers will learn about the other hominins—such as the species "Homo erectus" and the genus

"Australopithecus"—who help fill out the human family tree. The engaging text explains how archaeologists' discoveries of bones, tools, early art, evidence of hearths, and other evidence has furthered our understanding of the origins of modern humans. A timeline helps readers understand the chronology of the topic.

Neandertals - Yvette La Pierre 2007-12-15

Takes a look at the Neandertals and the process by which information about prehistoric peoples is gathered and analyzed.

The Skull in the Rock - Marc Aronson 2012

A collaboration by an award-winning author and the paleontologist renowned for the discovery of Australopithecus sidiba chronicles the riveting story behind one of the most significant archaeological discoveries of all time, explaining its significance for understanding human evolution and how it is shaping the thinking of the scientific community.

Lucy Long Ago - Catherine Thimmesh 2009

Illustrated in full color with stunning computer-generated artwork and with rare paleo photography, this story of scientific sleuthing invites readers to wonder what our ancestors were like and recounts the discovery of the remains of Lucy, the world's most famous hominid.

Integrating Literature in the Content Areas - Sharon Kane 2017-05-12

This practical, accessible resource will help future and practicing teachers integrate literature into their middle school or high school classrooms, while also addressing content area standards and improving the literacy skills of their students. Two introductory chapters are followed by five chapters that each cover a different genre: Chapter 3, Informational Books; Chapter 4, Fiction; Chapter 5, Biography, Autobiography, and Memoir; Chapter 6, Poetry; and Chapter 7, How-to and Hands-on Books. Each genre chapter consists of four parts: Part 1: Discusses the genre and how content area teachers can use books within that genre to further content learning and enhance literacy skills. Part 2: Offers hands-on instructional strategies and activities using literature, with activities for use in a variety of disciplines. Part 3: Presents individual author studies (three or four per chapter) with bibliographies

and guidelines for using the authors' books in content area courses. Part 4: Features an annotated bibliography of specially selected children and young adult literature for that genre, organized by content area. The annotations provide information about the book, which can be used to prepare booktalks, and teaching ideas for using in a specific content area. Altogether these sections contain more than 600 annotated entries tabbed by subject area, including art, English/language arts, languages and culture, math and technology, music, PE/health, science, and social studies/history.

Animal Courtship - Krista West 2009

Animal courtship is a process that results in two mature members of a species becoming a couple, usually with the intent to mate and produce offspring. Different species of bugs, birds, fish, reptiles, amphibians, and mammals have their unique sets of courtship rules and rituals. In *Animal Courtship*, learn the various ways species attract mates, including by singing, dancing, glowing, and even attacking.

A Story of Us - Lesley Newson 2021-02-19

It's time for a story of human evolution that goes beyond describing "ape-men" and talks about what women and children were doing. In a few decades, a torrent of new evidence and ideas about human evolution has allowed scientists to piece together a more detailed understanding of what went on thousands and even millions of years ago. We now know much more about the problems our ancestors faced, the solutions they found, and the trade-offs they made. The drama of their experiences led to the humans we are today: an animal that relies on a complex culture. We are a species that can and does rapidly evolve cultural solutions as we face new problems, but the intricacies of our cultures mean that this often creates new challenges. Our species' unique capacity for culture began to evolve millions of years ago, but it only really took off in the last few hundred thousand years. This capacity allowed our ancestors to survive and raise their difficult children during times of extreme climate chaos. Understanding how this has evolved can help us understand the cultural change and diversity that we experience today. Lesley Newson and Peter Richerson, a husband-and-wife team based at the University of

California, Davis, began their careers with training in biology. The two have spent years together and individually researching and collaborating with scholars from a wide range of disciplines to produce a deep history of humankind. In *A Story of Us*, they present this rich narrative and explain how the evolution of our genes relates to the evolution of our cultures. Newson and Richerson take readers through seven stages of human evolution, beginning seven million years ago with the apes that were the ancestors of humans and today's chimps and bonobos. The story ends in the present day and offers a glimpse into the future.

Almost Human - Lee Berger 2017-05-09

This first-person narrative about an archaeological discovery is rewriting the story of human evolution. A story of defiance and determination by a controversial scientist, this is Lee Berger's own take on finding *Homo naledi*, an all-new species on the human family tree and one of the greatest discoveries of the 21st century. In 2013, Berger, a National Geographic Explorer-in-Residence, caught wind of a cache of bones in a hard-to-reach underground cave in South Africa. He put out a call around the world for petite collaborators—men and women small and adventurous enough to be able to squeeze through 8-inch tunnels to reach a sunless cave 40 feet underground. With this team of "underground astronauts," Berger made the discovery of a lifetime: hundreds of prehistoric bones, including entire skeletons of at least 15 individuals, all perhaps two million years old. Their features combined those of known prehomínids like Lucy, the famous *Australopithecus*, with those more human than anything ever before seen in prehistoric remains. Berger's team had discovered an all new species, and they called it *Homo naledi*. The cave quickly proved to be the richest prehomínid site ever discovered, full of implications that shake the very foundation of how we define what makes us human. Did this species come before, during, or after the emergence of *Homo sapiens* on our evolutionary tree? How did the cave come to contain nothing but the remains of these individuals? Did they bury their dead? If so, they must have had a level of self-knowledge, including an awareness of death. And yet those are the very characteristics used to define what makes us

human. Did an equally advanced species inhabit Earth with us, or before us? Berger does not hesitate to address all these questions. Berger is a charming and controversial figure, and some colleagues question his

interpretation of this and other finds. But in these pages, this charismatic and visionary paleontologist counters their arguments and tells his personal story: a rich and readable narrative about science, exploration, and what it means to be human.